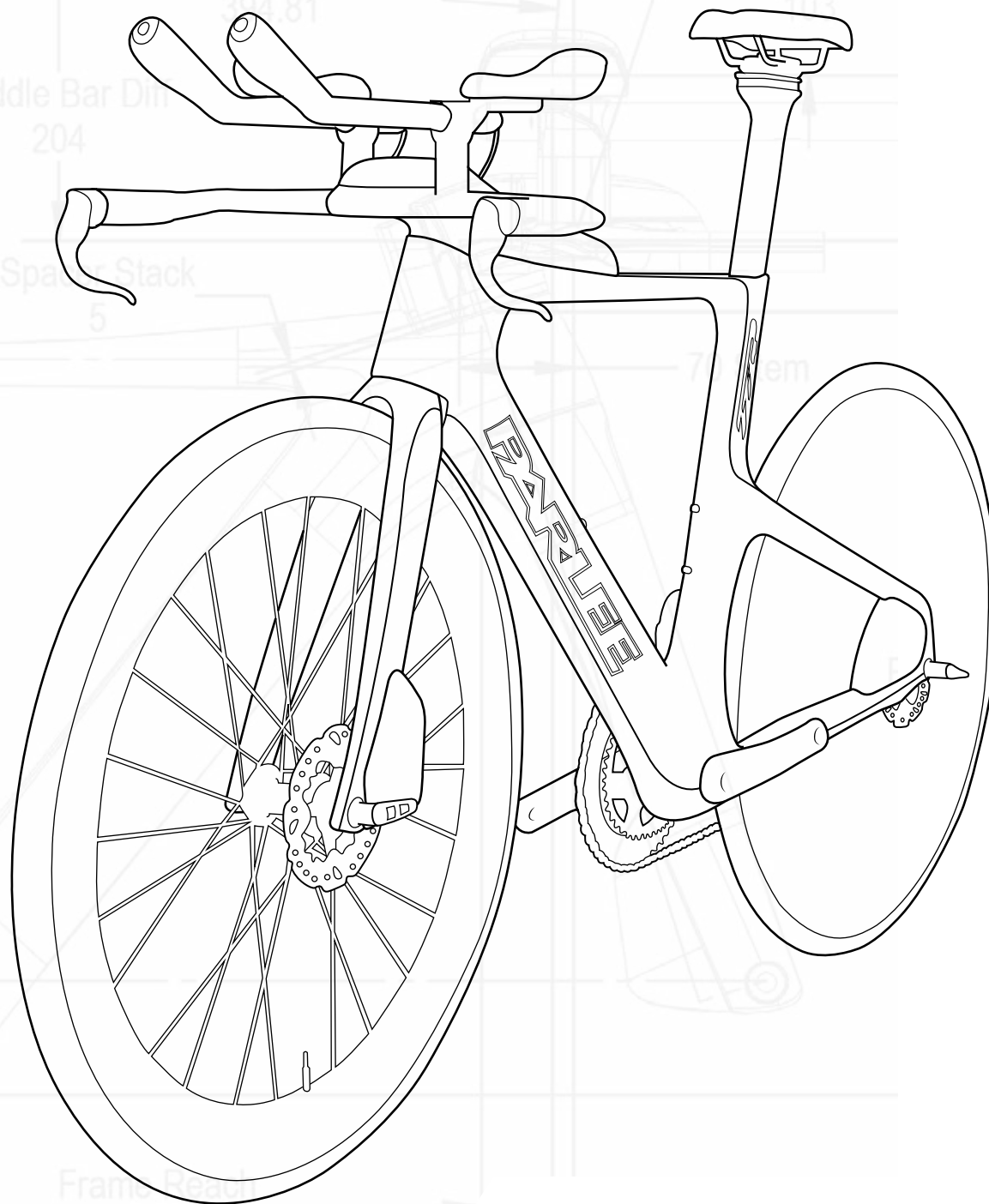




Mechanical Drive-train Cabling Guide

R 2, V. 08012018



GOLD
WINNER

AWARD 2016





Congratulations on the purchase of your new PARLEE TTiR!

We have designed the TTiR to be the most advanced Triathlon/Time-Trial/Multisport Bicycle on the market today, with many segment innovations such as disc brakes and through-axles.

This manual contains important assembly and service information. All assembly and service of PARLEE bicycles must be carried out by an authorized PARLEE Dealer/Mechanic.

Note to PARLEE Dealers/Mechanics: We strongly advise that you read this manual in its entirety before assembly of the bicycle to familiarize yourself with the systems and proprietary procedures of its assembly.

If you have any questions contact PARLEE at

Phone 978.998.4880

Email: Info@parleecycles.com



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1 32 - Base Bar Assembly

45 - Frame Set Assembly Part

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61 - Final Cable Routing

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pg. 27, step 19

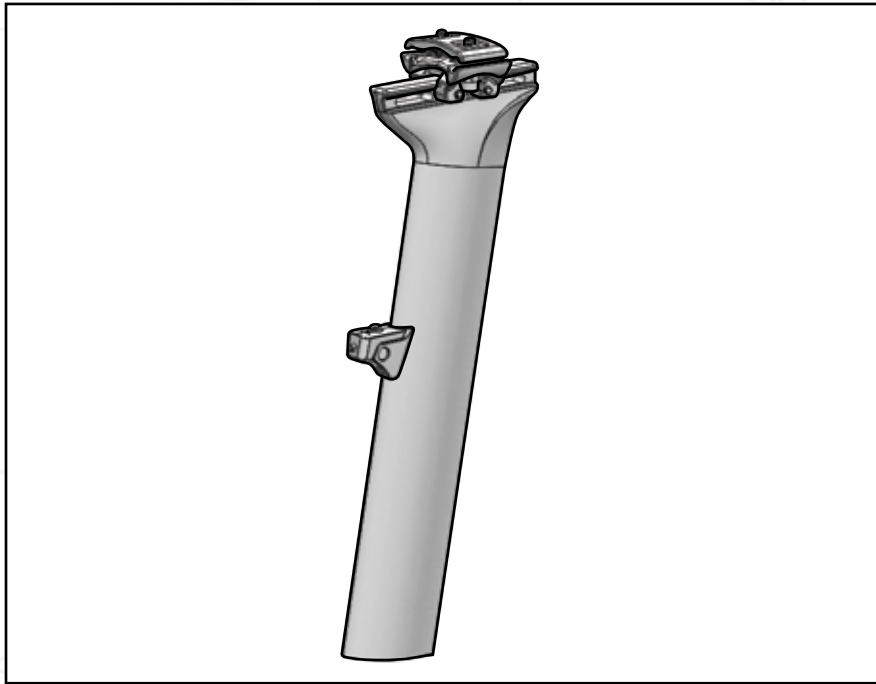
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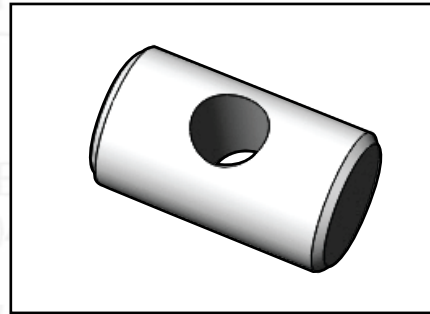
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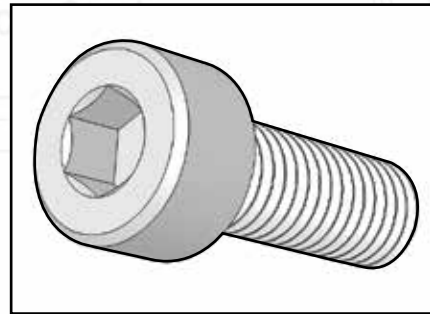


Seat Post Assembly



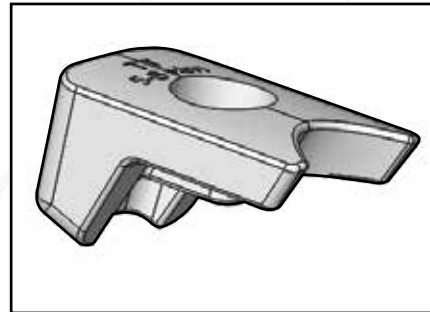
Compact Clamp Nut

x1



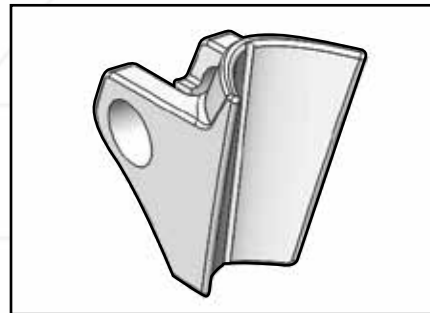
M5 Wedge Clamp Bolt

x1 - Red Loctite



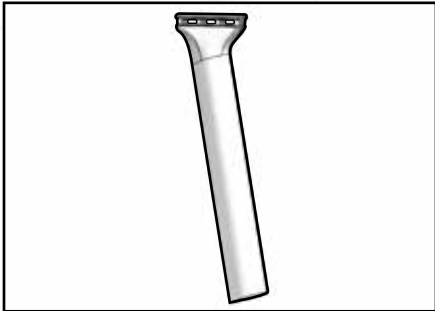
Clamp Top

x1



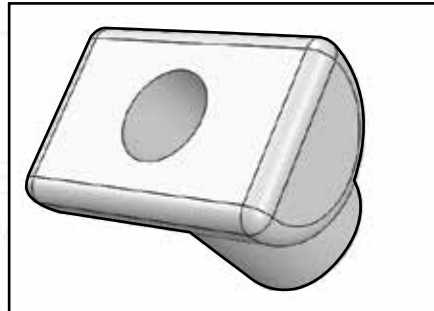
Seat Post Follower

x1



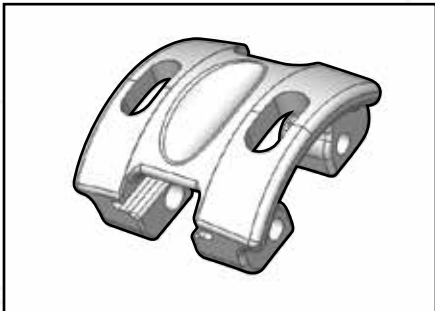
Seat Post

x1



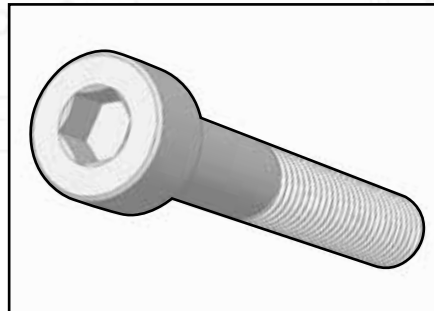
Seat Rail Clamp Nut

x2



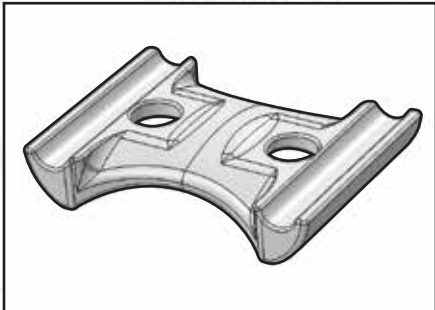
Seat Post Rail Clamp

x1



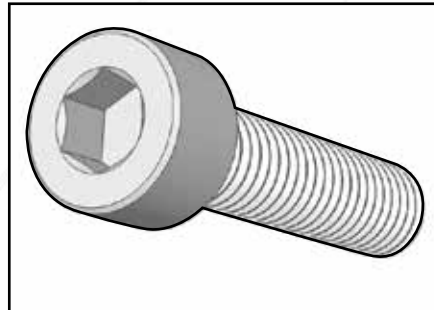
M5 Socket Head 35mm
Screw

x2 - Greased



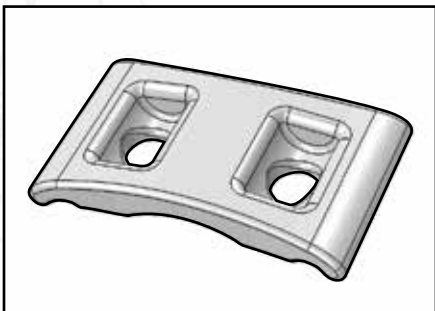
Seat Rail Clamp Bottom

x1



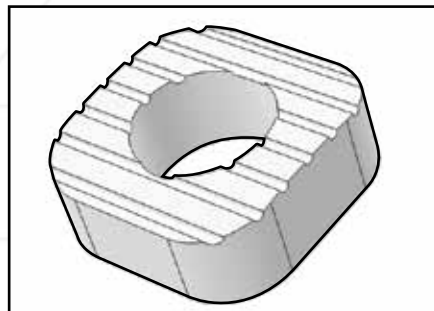
M6 Socket Head 25mm
Screw

x2 - Blue Loctite



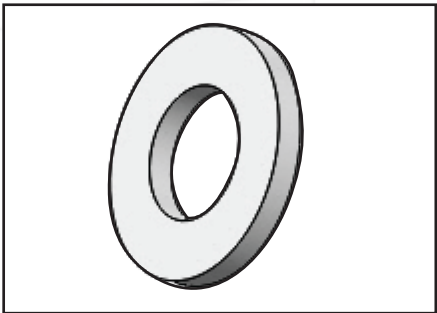
Seat Rail Clamp Top

x1



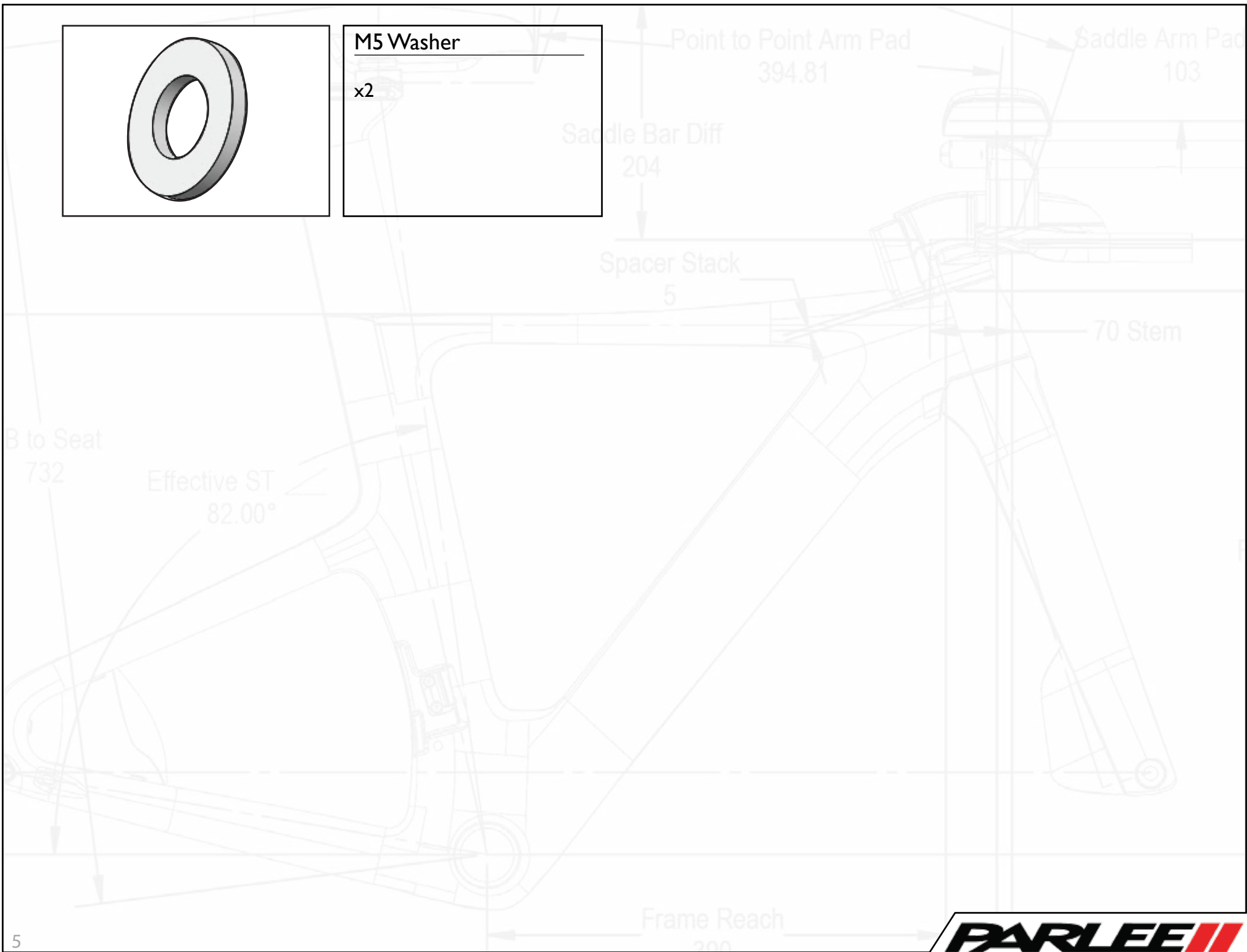
Seat Rail Washer

x2 - Grooves face left to right.



M5 Washer

x2

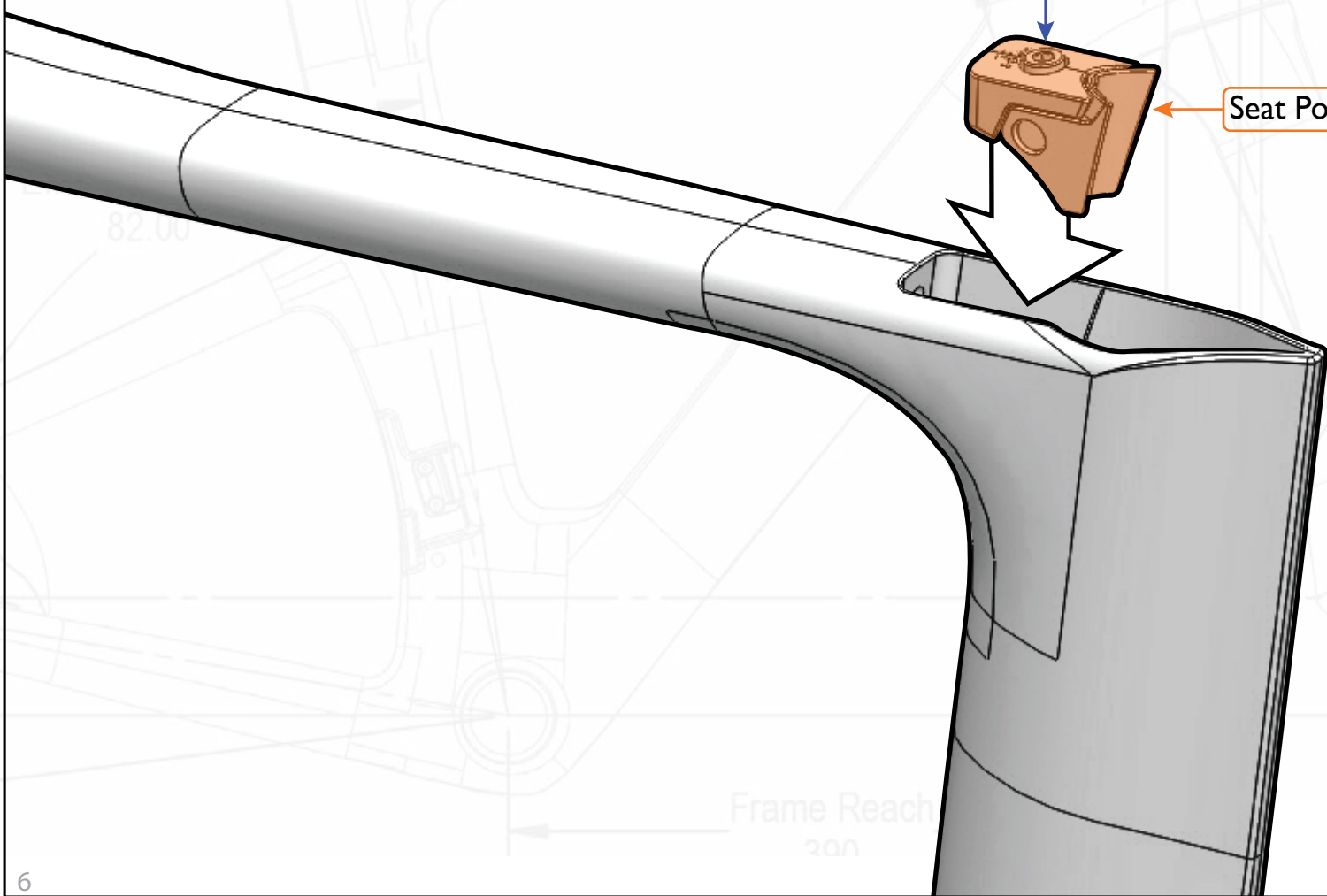


Red Loctite All Threaded Surfaces.

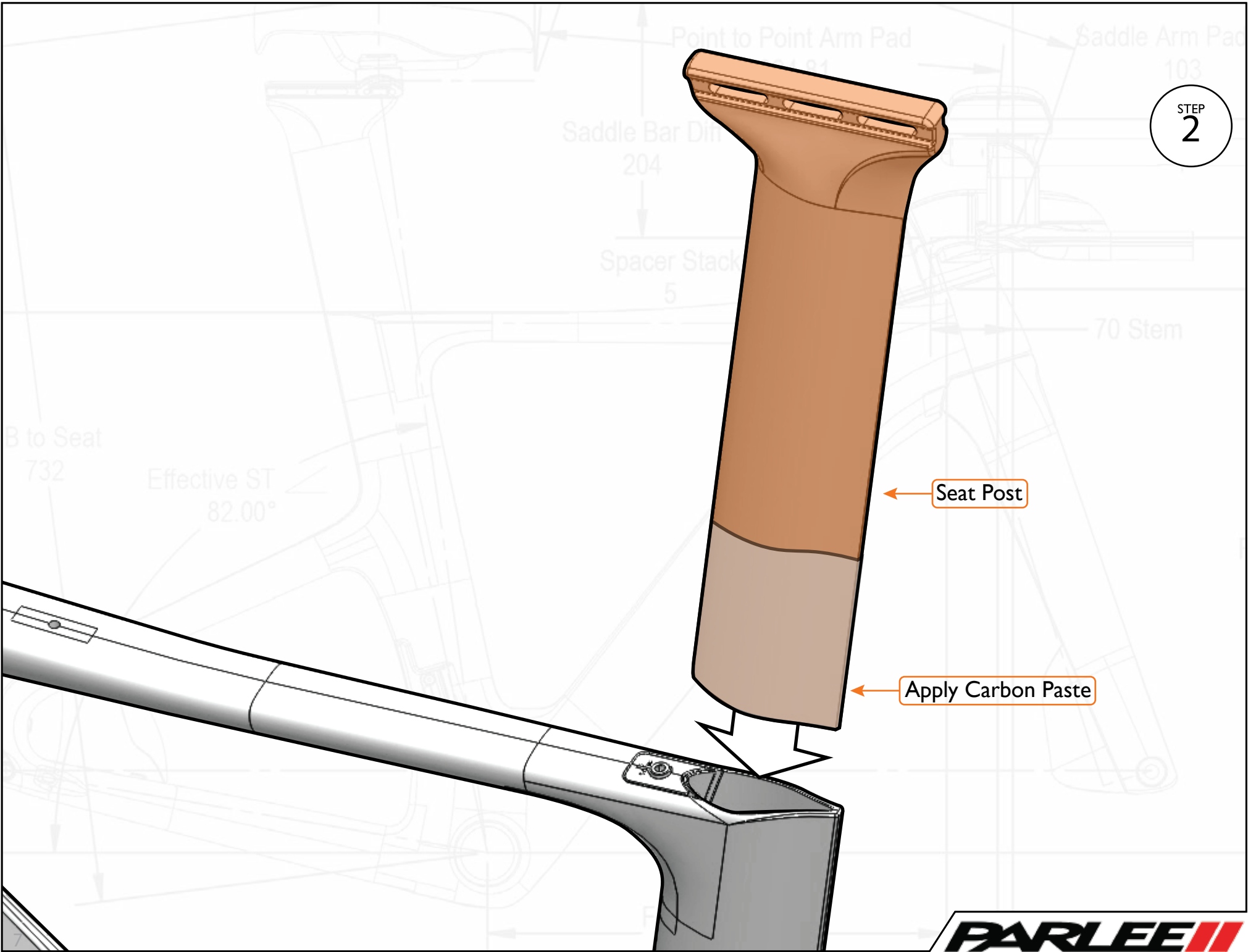
STEP
1

Torque to 5-8nm

Seat Post Clamp



STEP
2



Seat Post

Apply Carbon Paste

Blue Loctite All Threaded Surfaces.

STEP
3

Seat Rail Clamp Nut

Seat Rail Clamp Top

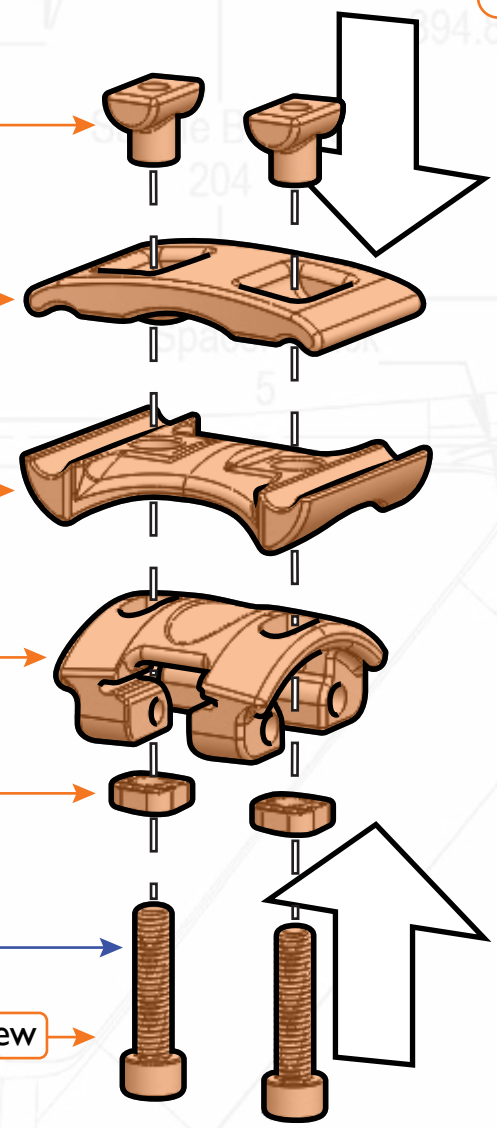
Seat Rail Clamp Bottom

Seat Post Rail Clamp

Seat Rail Washer

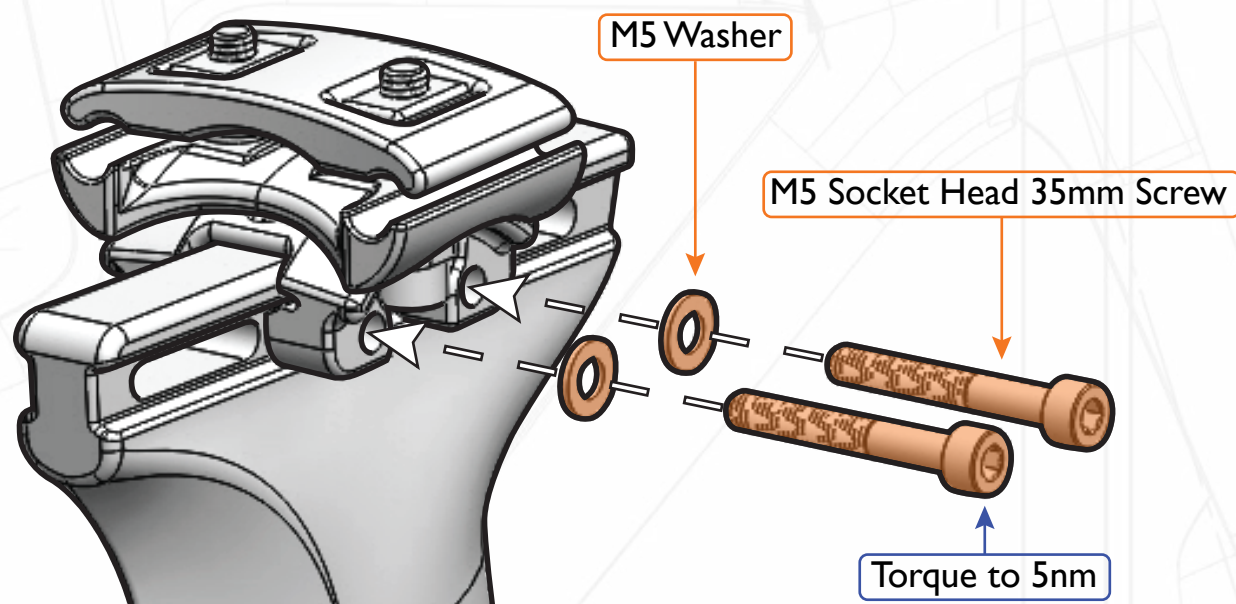
Torque to 8nm

M6 Socket Head 25mm Screw



Grease All Threaded Surfaces.

STEP
4



Effective ST
82.00°

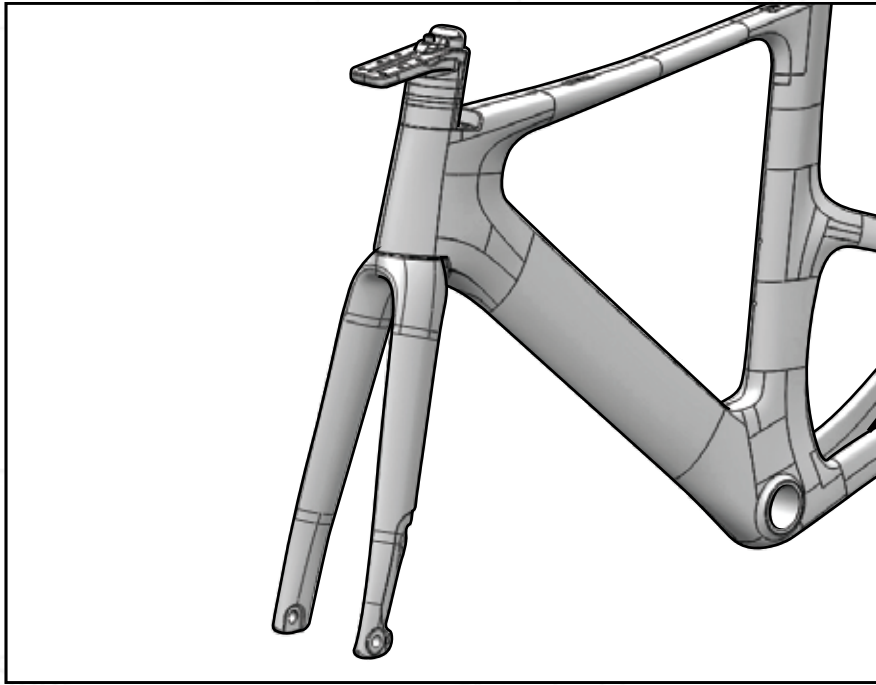
Saddle Bar Diff
204

Spacer Stack
5

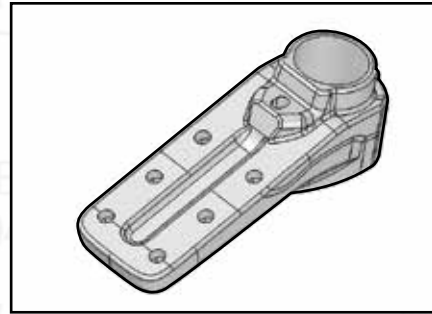
394.81

70 Stem

Frame Reach
200

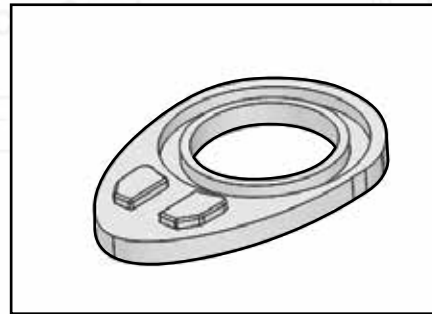


Frame Set Assembly Part 1



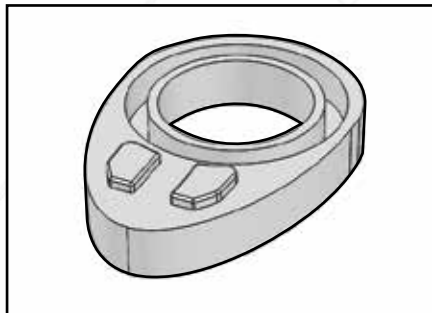
Stem

x1



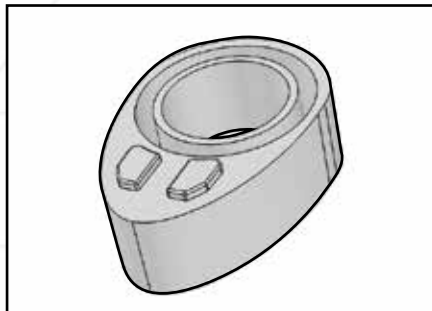
Stem Spacer 5mm

x2



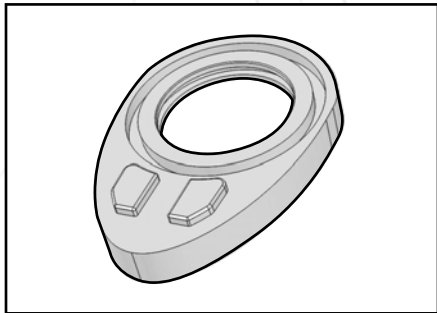
Stem Spacer 10mm

x1

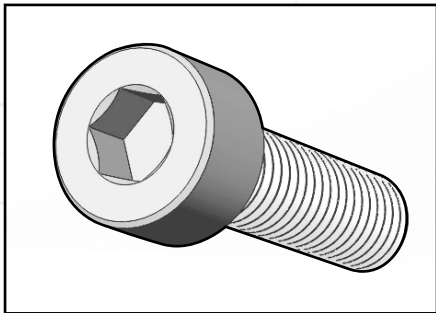


Stem Spacer 20mm

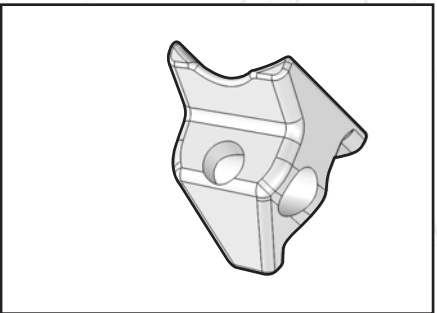
x1



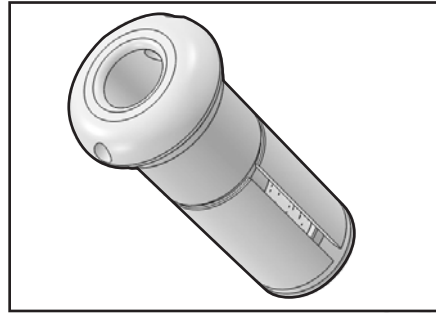
Top Cap
x1
Top Cap For Headset



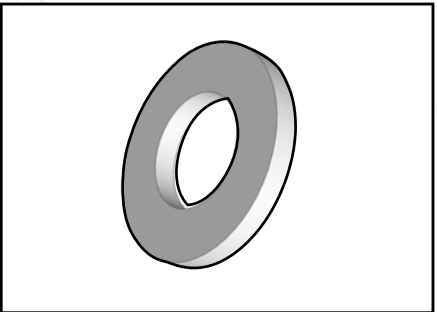
M5 Socket Head 18mm Screw
x1 - Red Loctite



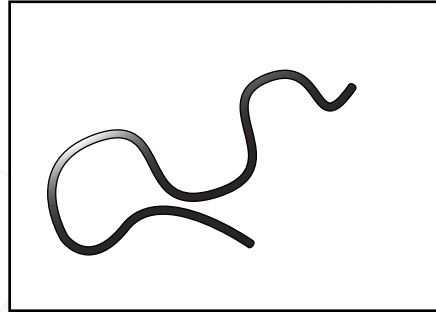
Stem Clamp Follower
x1



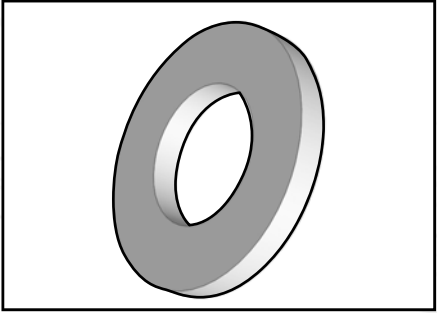
Compression Plug Assembly
x1 - Greased Inside



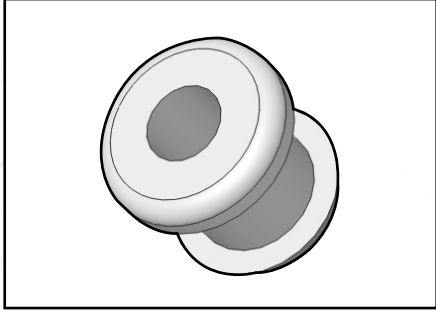
M5 Washer
x1



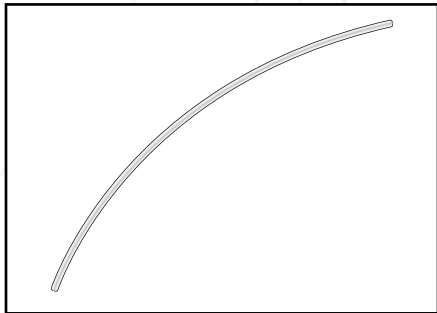
Foam Silencer Tubing
x3



#10 Washer
x1



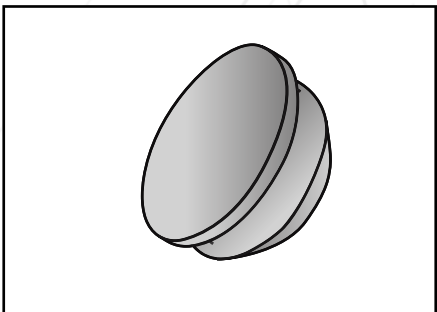
Head Tube Cable Grommet
x3



Teflon Tubing

x1

For Mechanical Front
Derailer



Blind Grommet

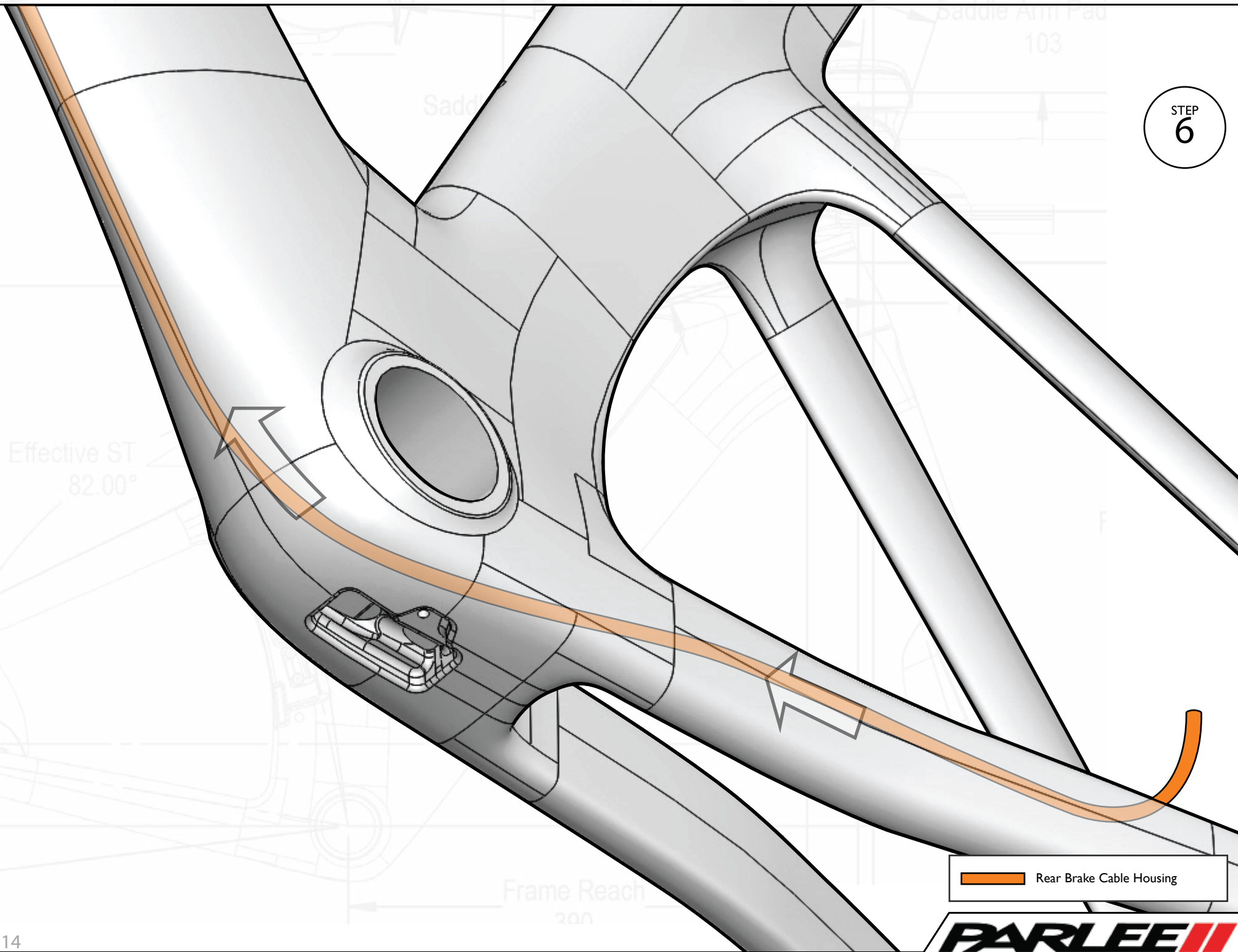
x4

STEP
5

Insert brake housing into chainstay port and guide toward headtube.

— Rear Brake Cable Housing

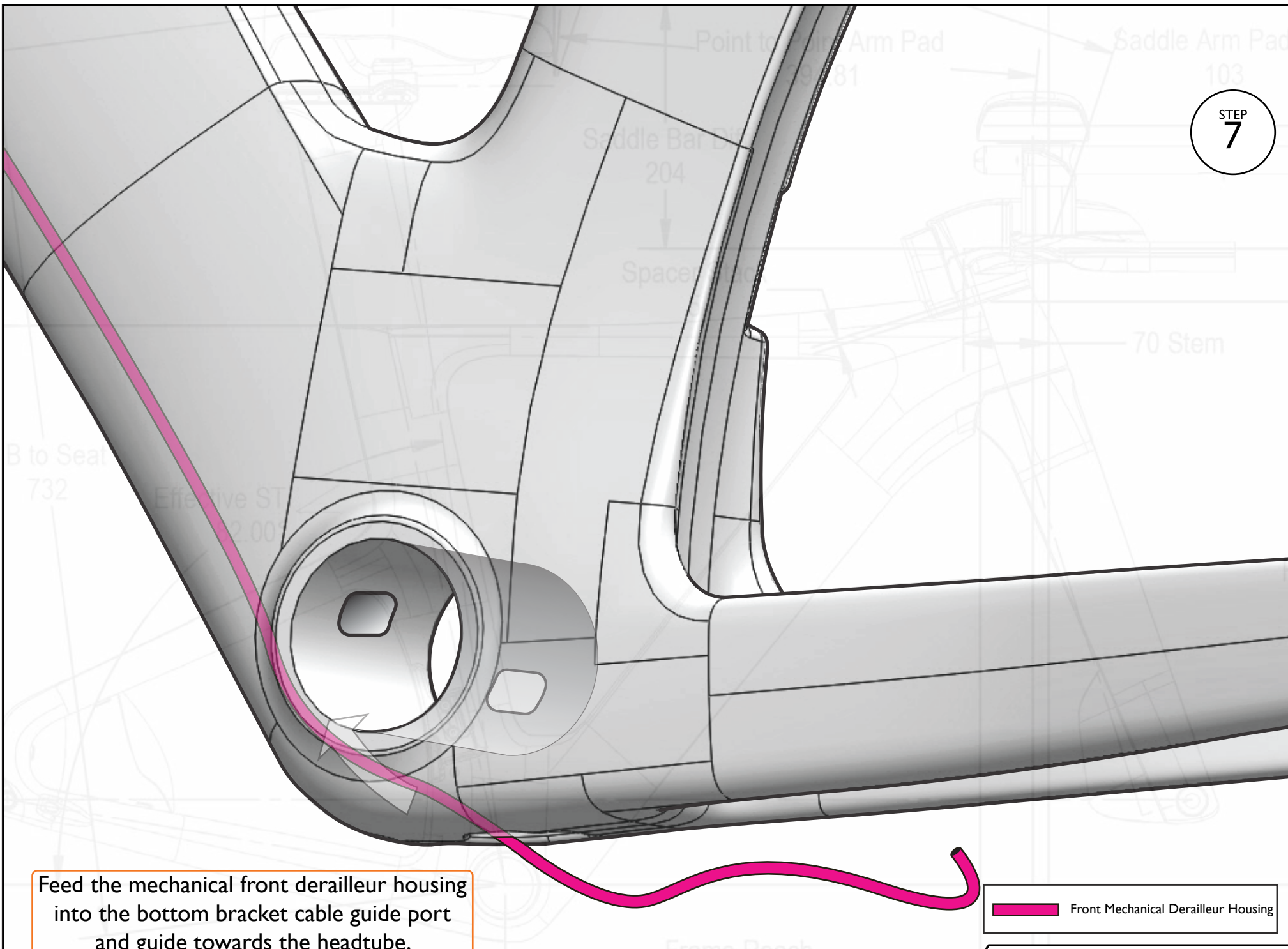
STEP
6



— Rear Brake Cable Housing

PARLEE III

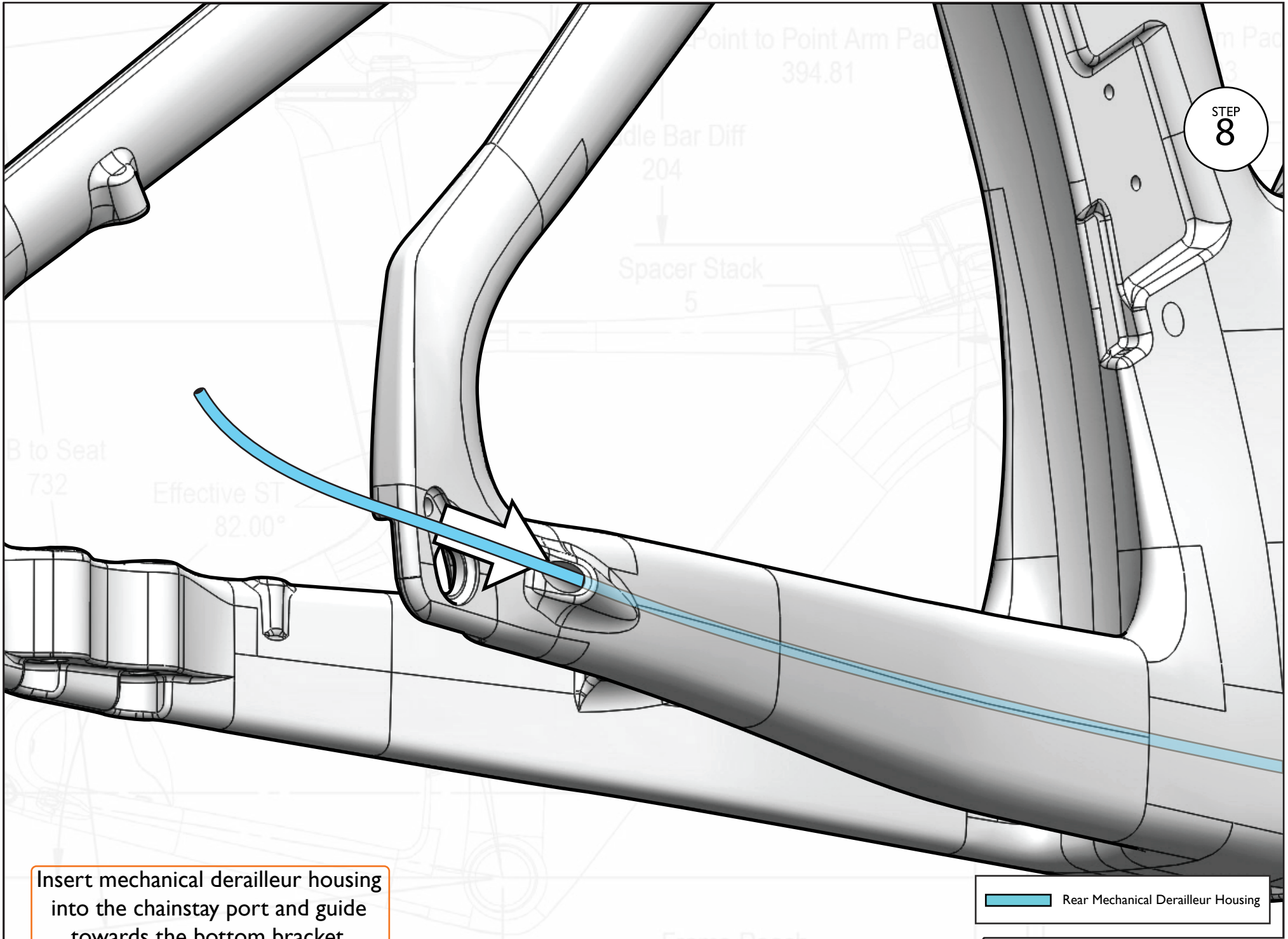
STEP
7



Feed the mechanical front derailleur housing into the bottom bracket cable guide port and guide towards the headtube.

Front Mechanical Derailleur Housing

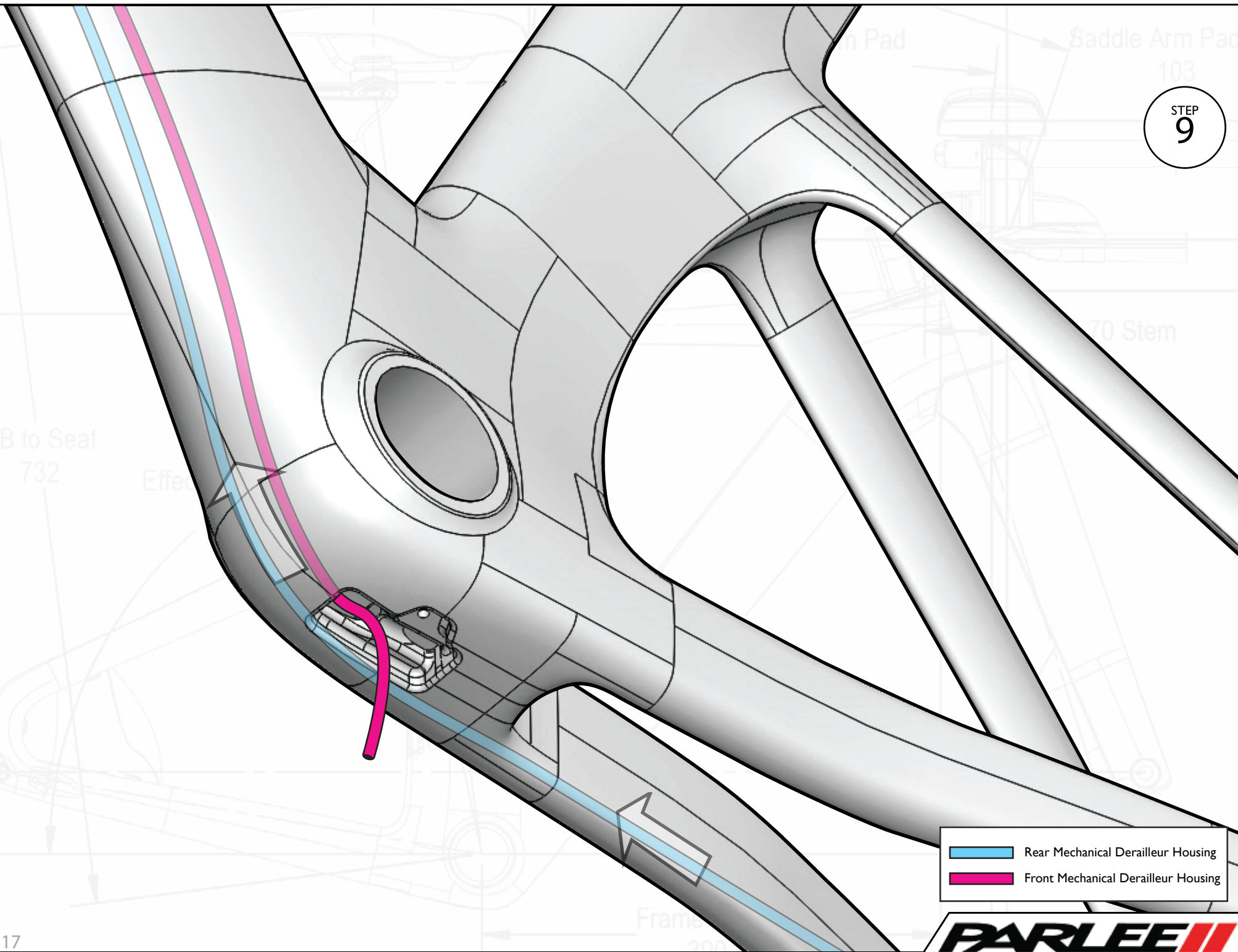
STEP
8





Insert mechanical derailleur housing into the chainstay port and guide towards the bottom bracket.

— Rear Mechanical Derailleur Housing

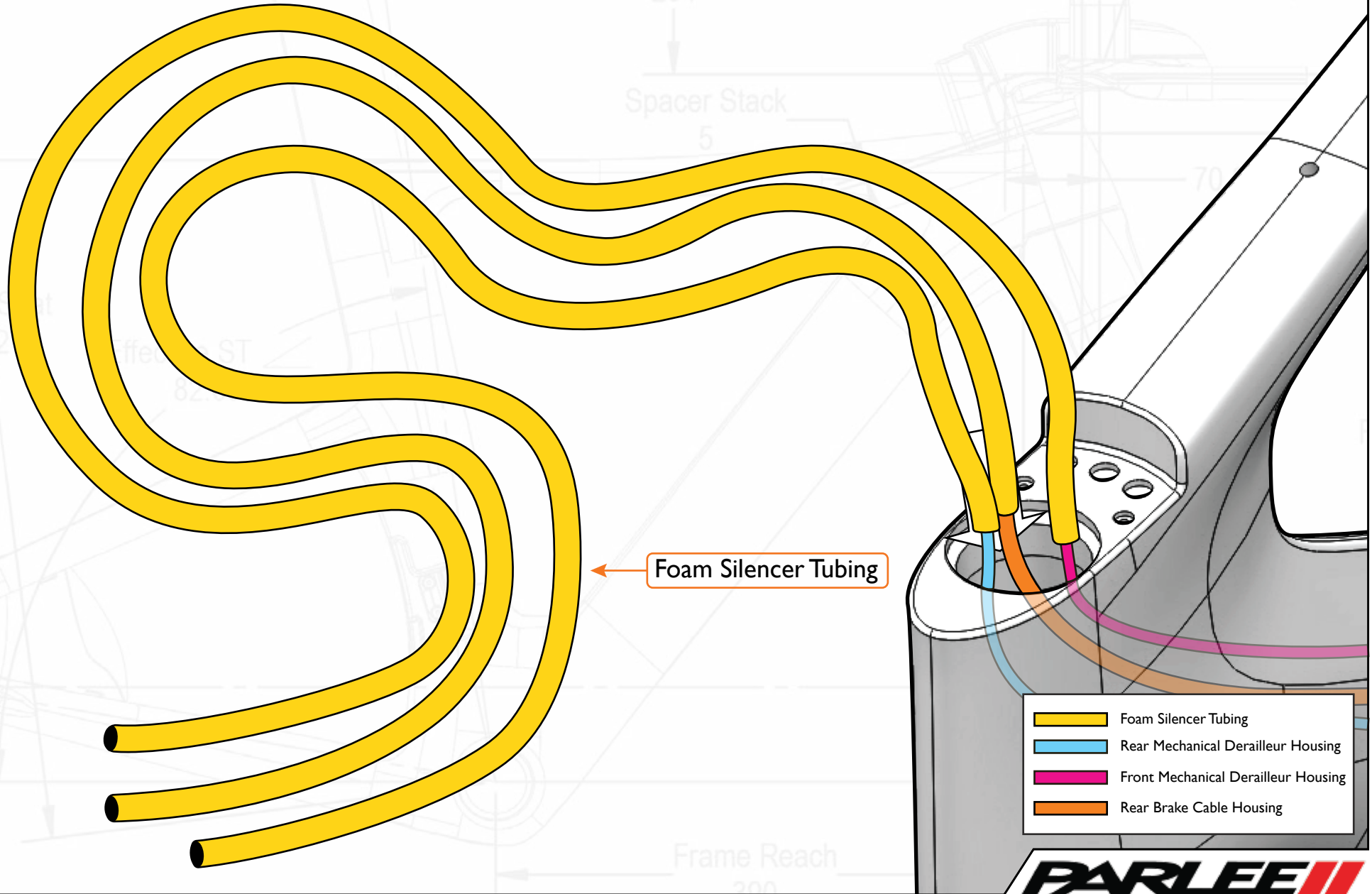
STEP
9



-  Rear Mechanical Derailleur Housing
-  Front Mechanical Derailleur Housing

Sleeve foam silencer tubing over brake housing cable and mechanical derailer housing cable. (use a small amount of lubricant to aid installation)

STEP
10



STEP
11




Run the brake housing cable and mechanical derailleur housing cables through the ports on the headtube.

- Foam Silencer Tubing
- Rear Mechanical Derailleur Housing
- Front Mechanical Derailleur Housing
- Rear Brake Cable Housing

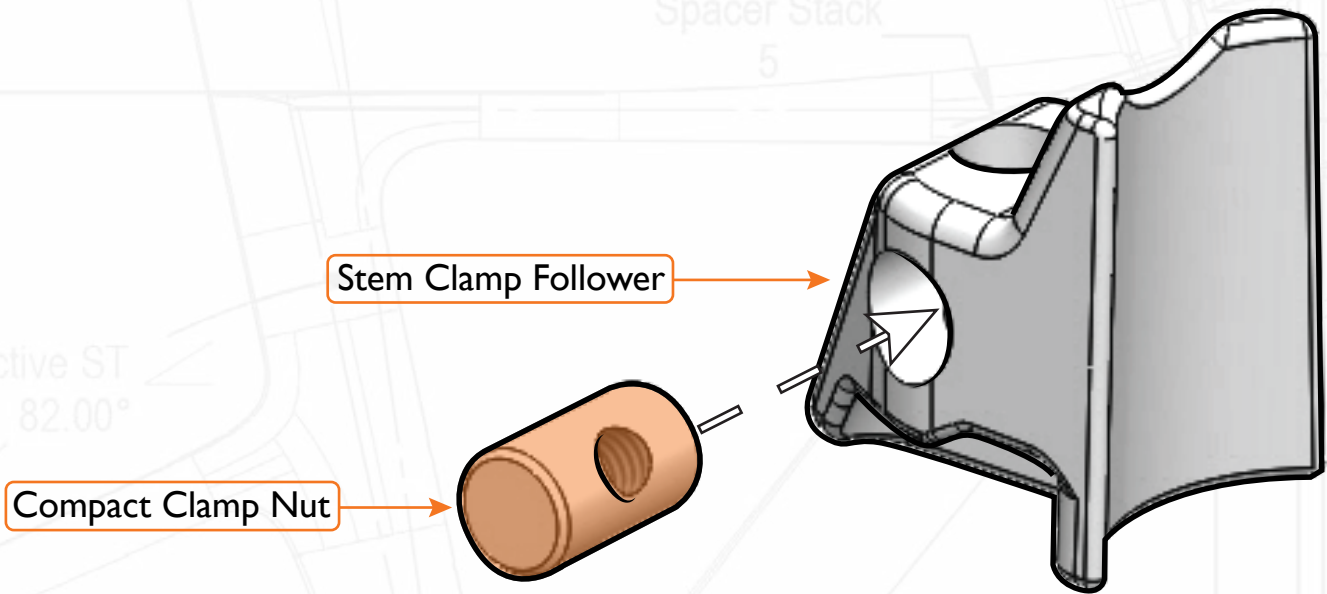
STEP
12

Head Tube Cable Grommet

Sleeve the grommets over the brake housing cable and mechanical derailleur housing cables and then insert grommets into the headtube ports.

-  Rear Mechanical Derailleur Housing
-  Front Mechanical Derailleur Housing
-  Rear Brake Cable Housing

STEP
13



Assemble stem clamp follower.

Blue Loctite All Threaded Surfaces.

STEP
14

M5 Socket Head 18mm Screw

M5 Washer

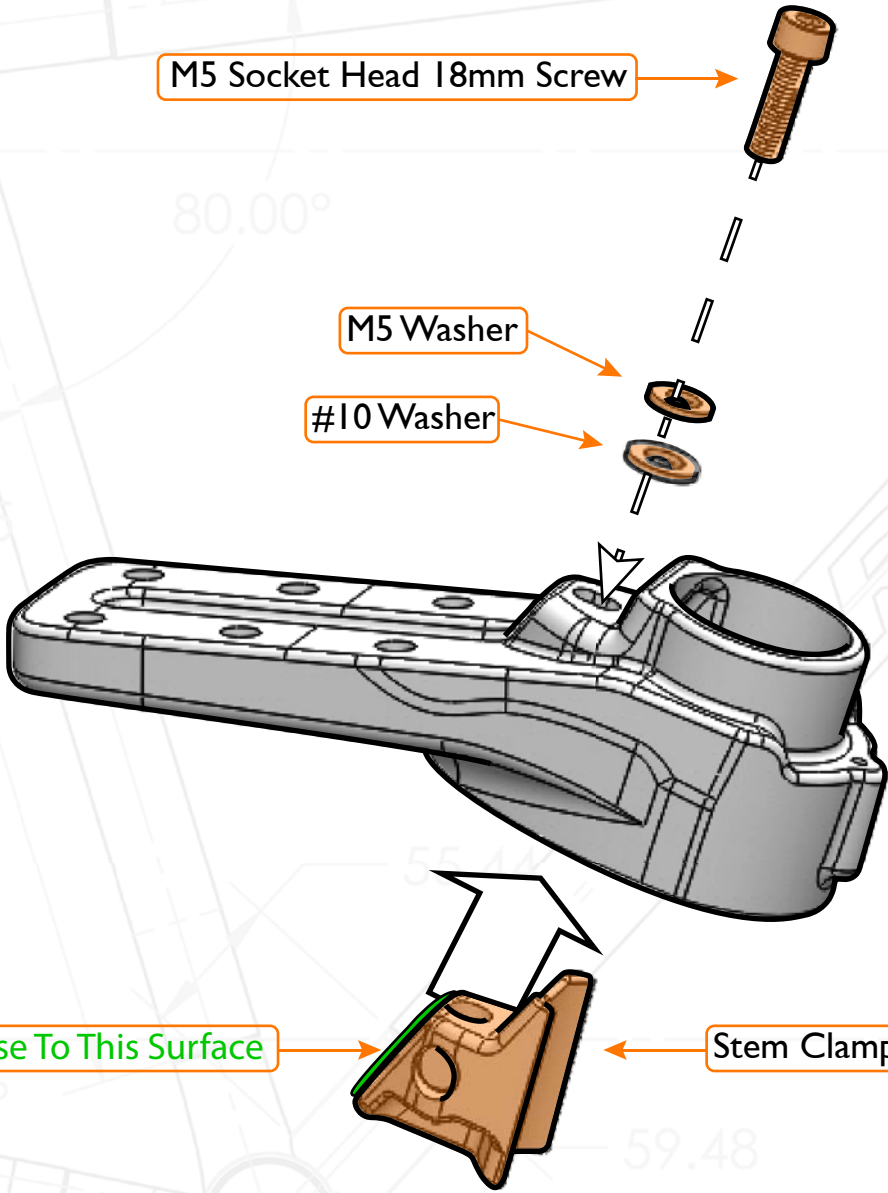
#10 Washer

Assemble loosely engaging a few threads

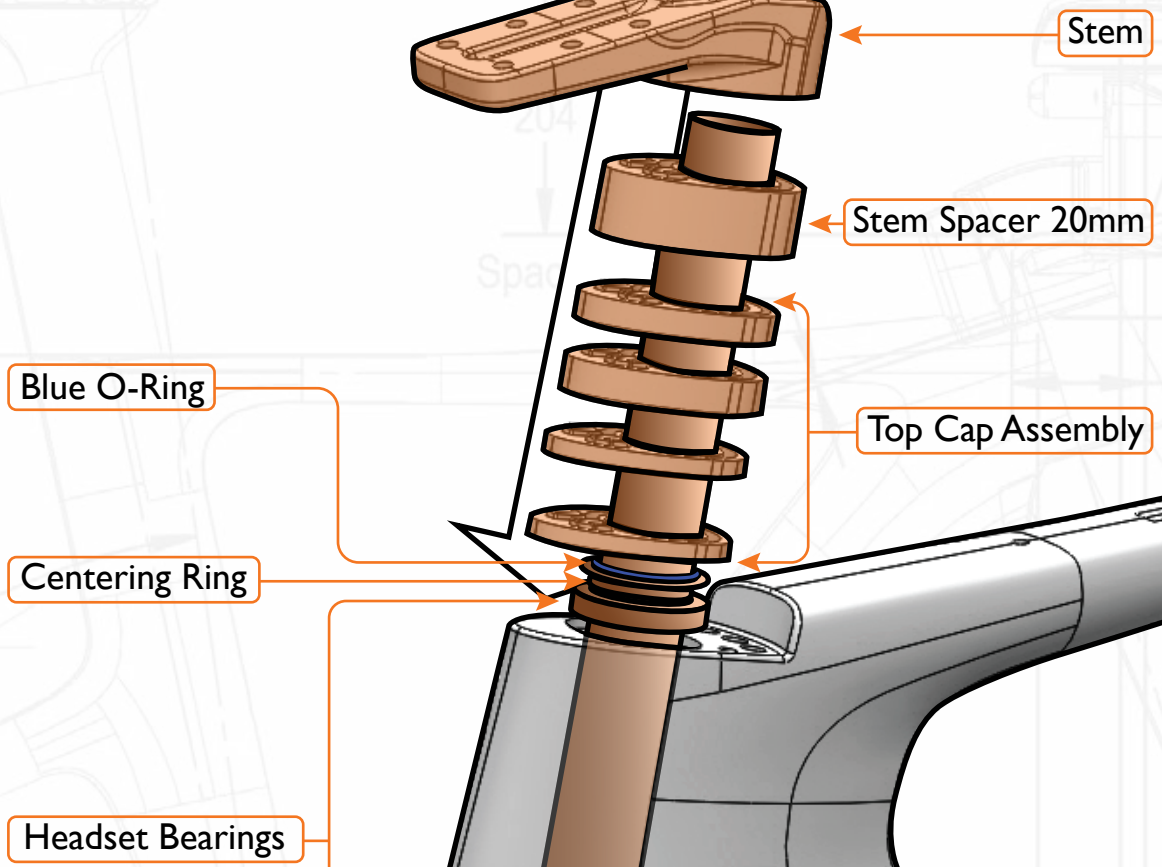
Stem

Apply Grease To This Surface

Stem Clamp Follower



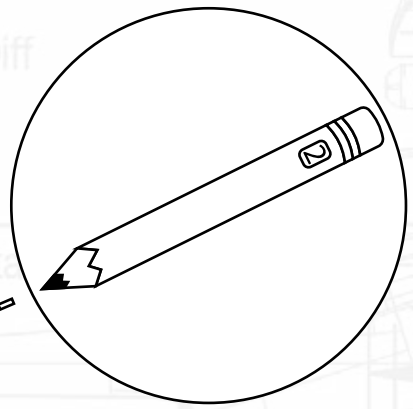
STEP
15



Mark the steerer tube at the top of the stem.

STEP
16

Steerer Tube



Steerer Tube

4mm

Cut steerer tube 4mm below the marked height from step 20.

STEP
18

Compression Plug

After cutting, reinstall the
fork, bearings, spacers,
and stem into frame.

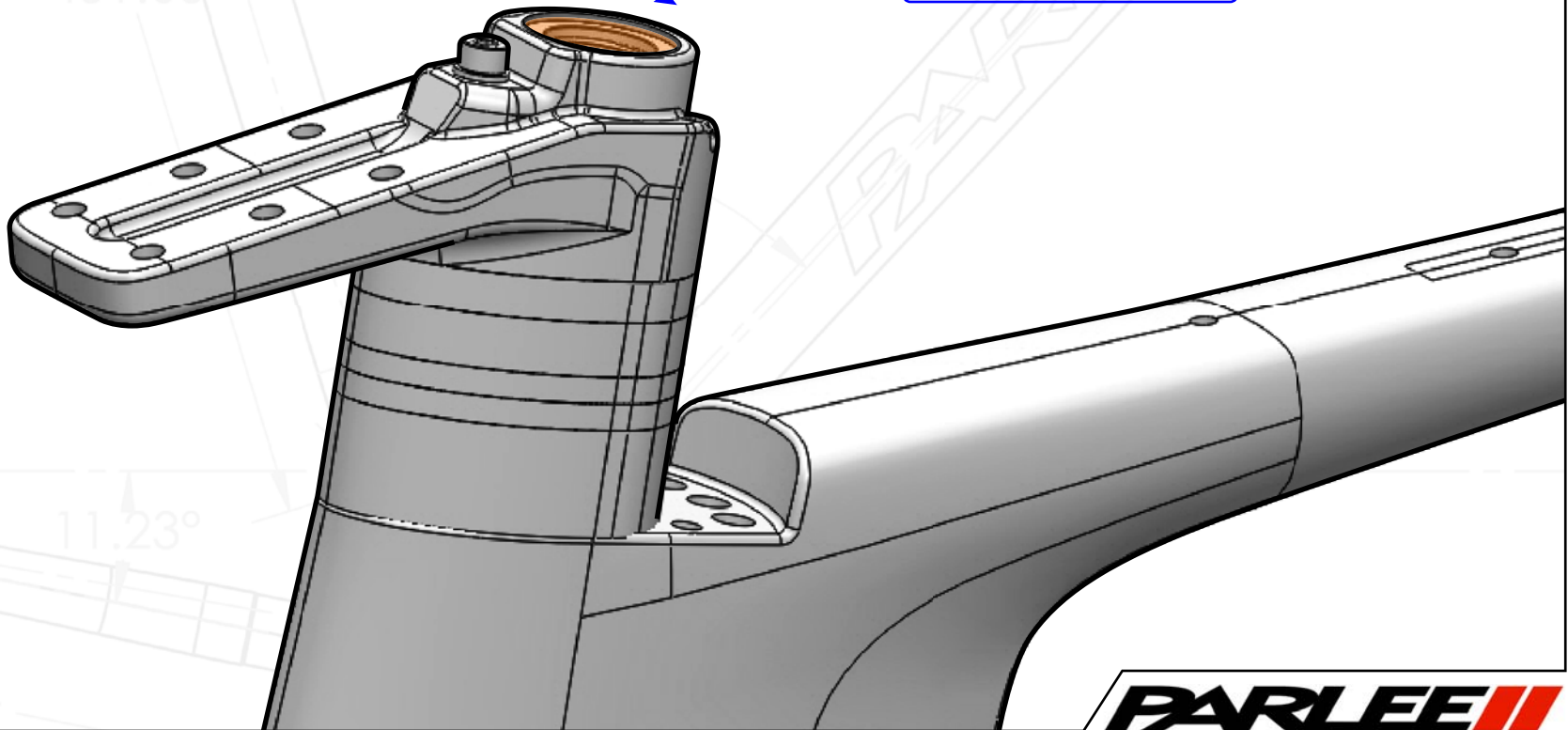


Proper compression of Head Set assembly is important for wedge to seat properly and achieve max holding rate

STEP
19



Using Torque Wrench with M8 Allen Key Tighten to 5-8Nm

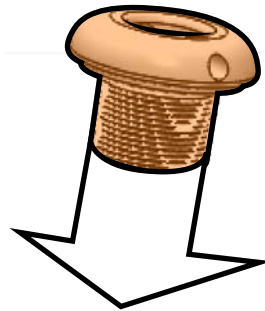




Proper compression of Head Set assembly is important for wedge to seat properly and achieve max holding rate

STEP
20

A

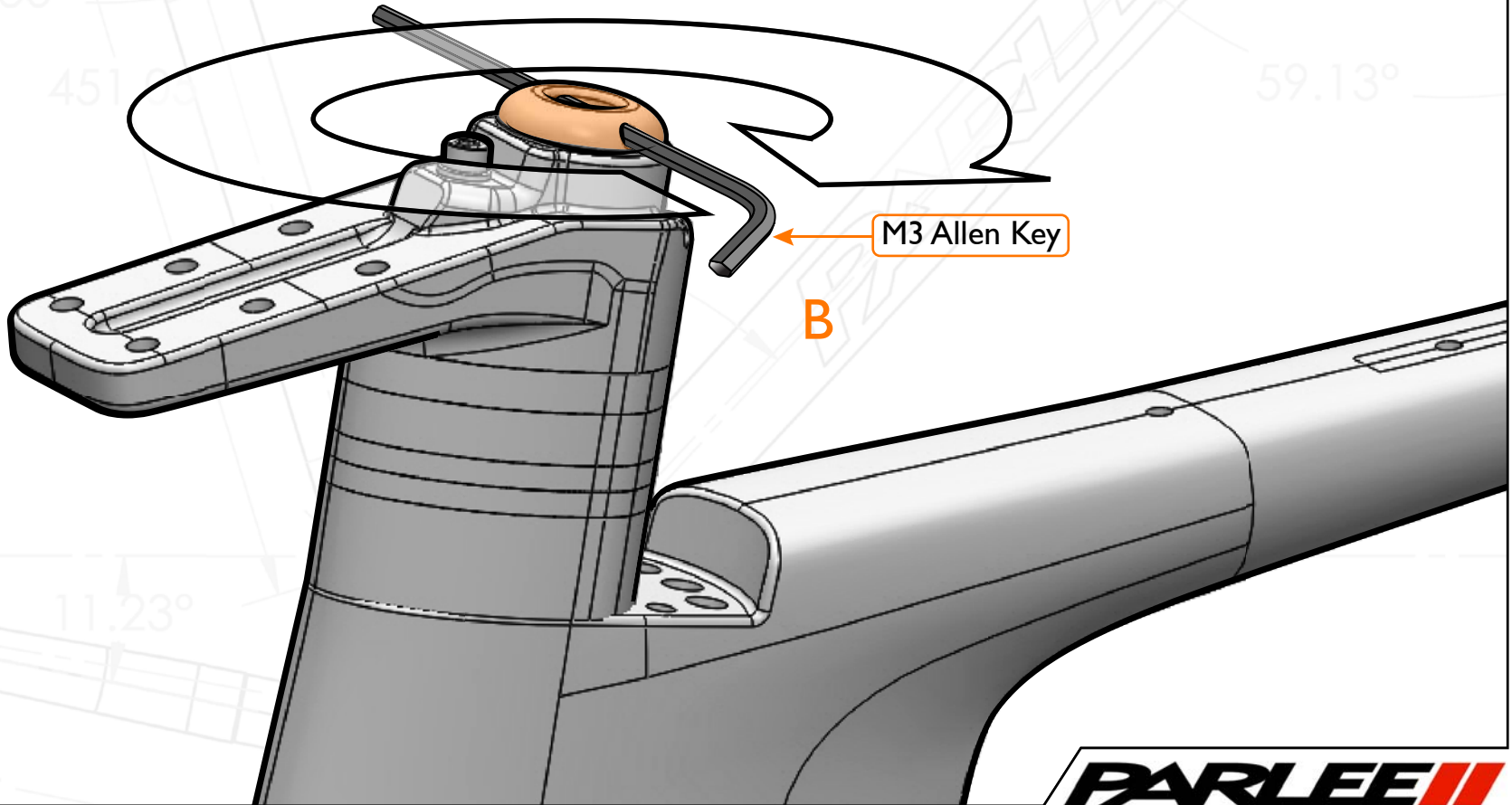


A. Insert Top Cap and Thread in to Compression Plug

B. Using M3 allen key torque until desired pre-load is reached, ensuring proper compression in Head Set and Stem assembly

M3 Allen Key

B

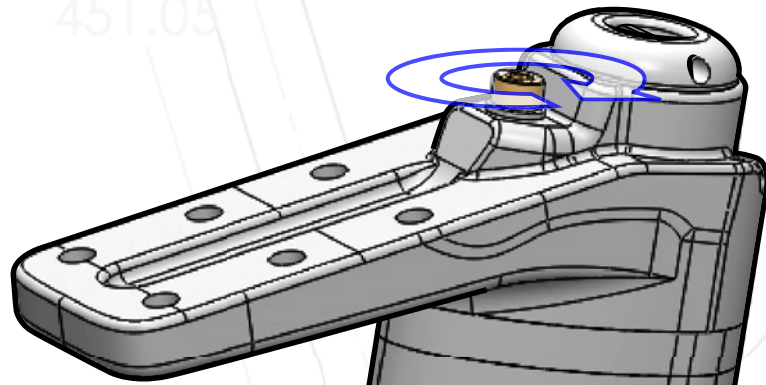


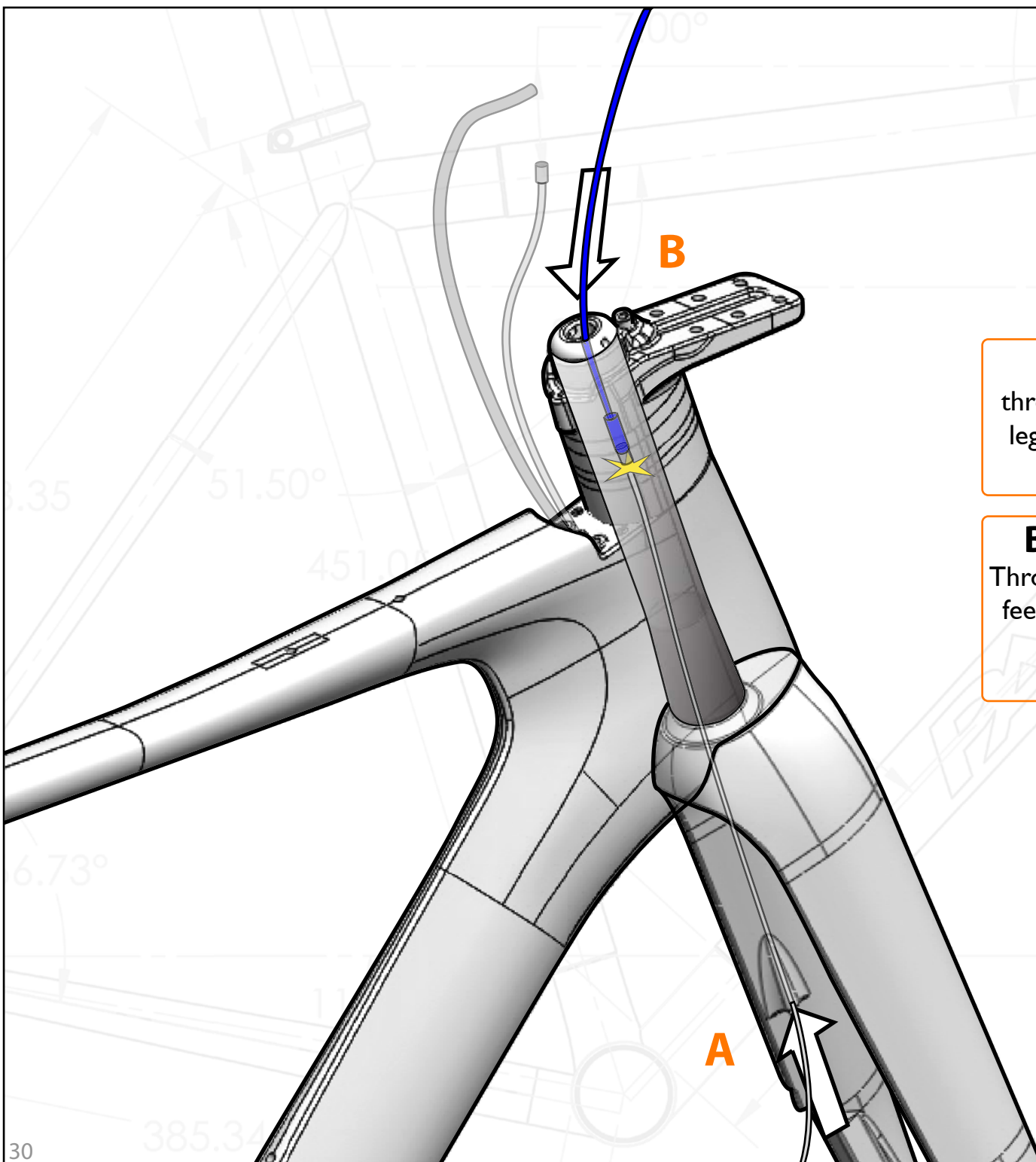


Proper compression of Head Set assembly is important for wedge to seat properly and achieve max holding rate

STEP
21


Check that you have installed both the #10 and M5 washers. Using torque wrench and M4 Allen Key, tighten Wedge bolt to 8-9 Nm





A. Feed a full run of cabling through the cable port in the fork leg until it stops at Compression Plug inside of steerer.

B. Feed a Magnet Cabling tool Through Compression plug until you feel it make contact with the cable end. Pull cable up through Compression plug.

 Front Brake Cable Housing


STEP
23

A

B


A. Feed the Cable Housing over the cable until the it comes out the other end.

B. Cinch on a cable end.

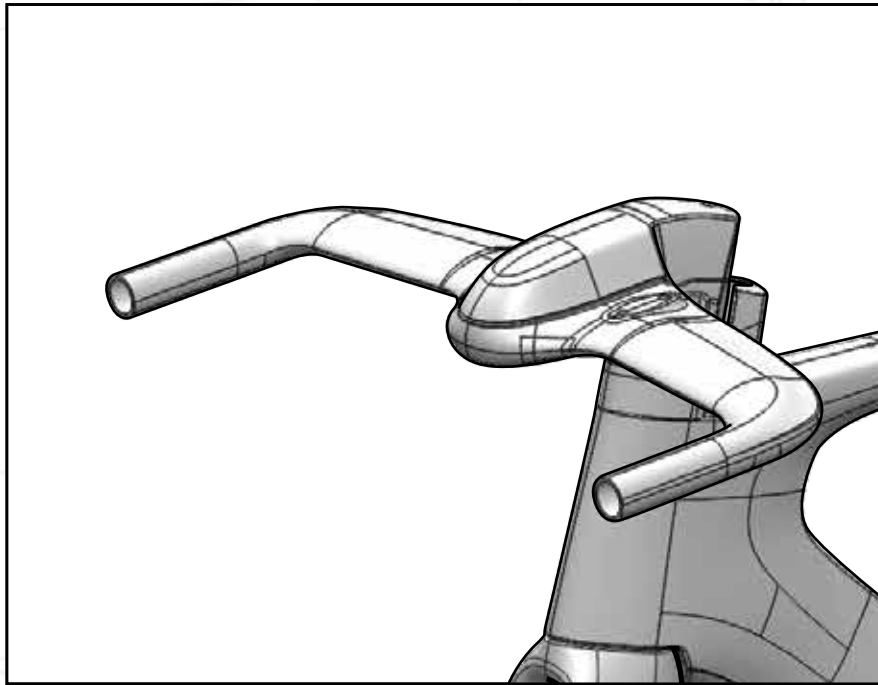
 Front Brake Cable Housing

STEP
24

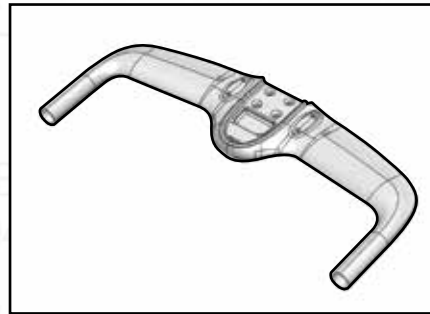
Use the cable to pull the housing down through steerer and out of cable port. A firm tug can be applied to get the housing through the interior opening of the port.

 Front Brake Cable Housing

PARLEE 

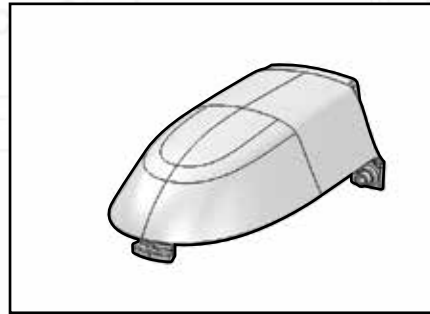


Base Bar Assembly



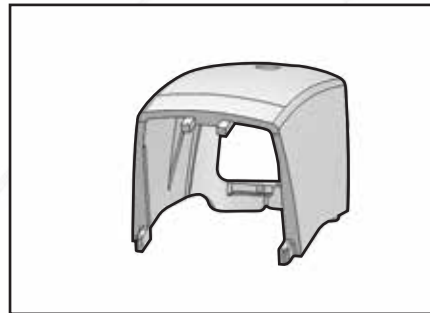
Base Bar

x1



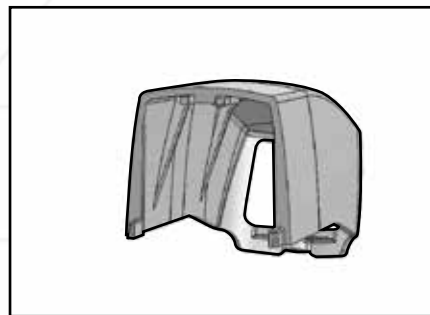
Base Bar Cover

x1



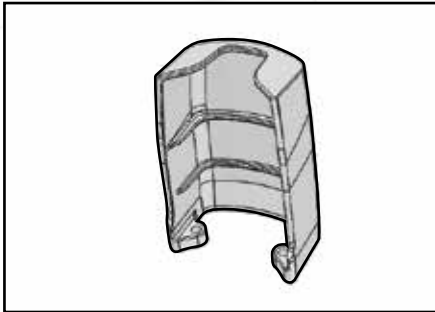
Stem Cover Short

x1



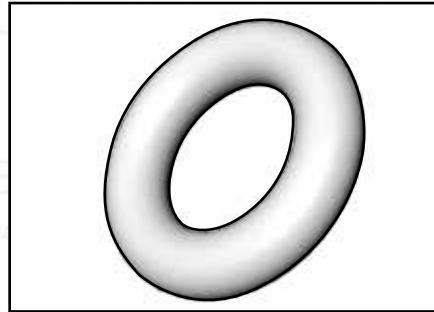
Stem Cover Long

x1



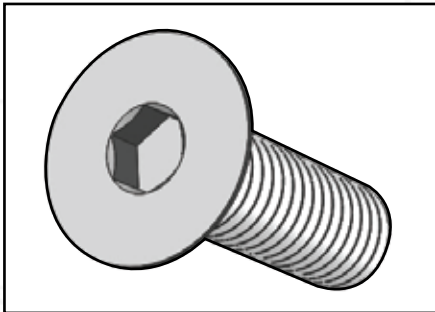
Cable Hood

x1



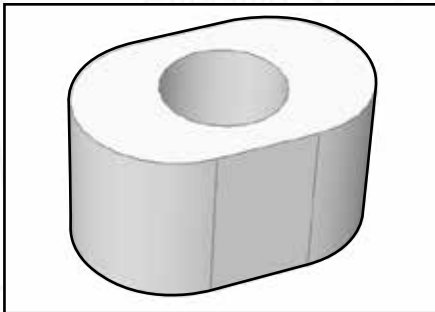
Stem Cover O-Ring

x2



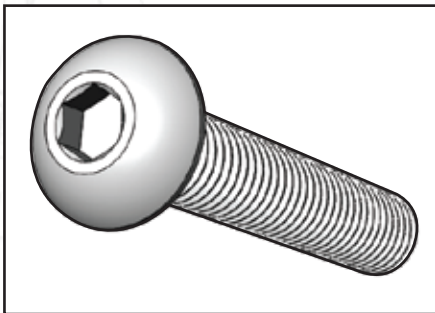
**M6 Flat Head 20mm
Screw**

x4 - Red Loctite



M6 Stem Nut

x4



**M3 Button Head 18mm
Screw**

x3 - Greased

Blue Loctite All Threaded Surfaces.

STEP
25

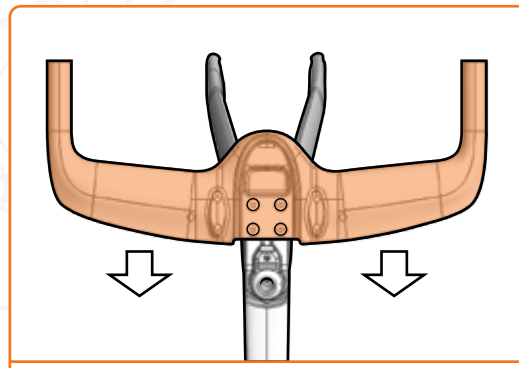
M6 Flat Head 20mm Screw

Torque to 5nm

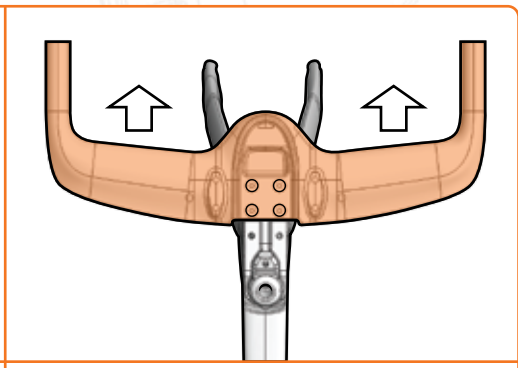
Base Bar

M6 Stem Nut

Stem length can be adjusted to 80mm or 105mm by using the forward or rearward mounting points on the stem.



80mm

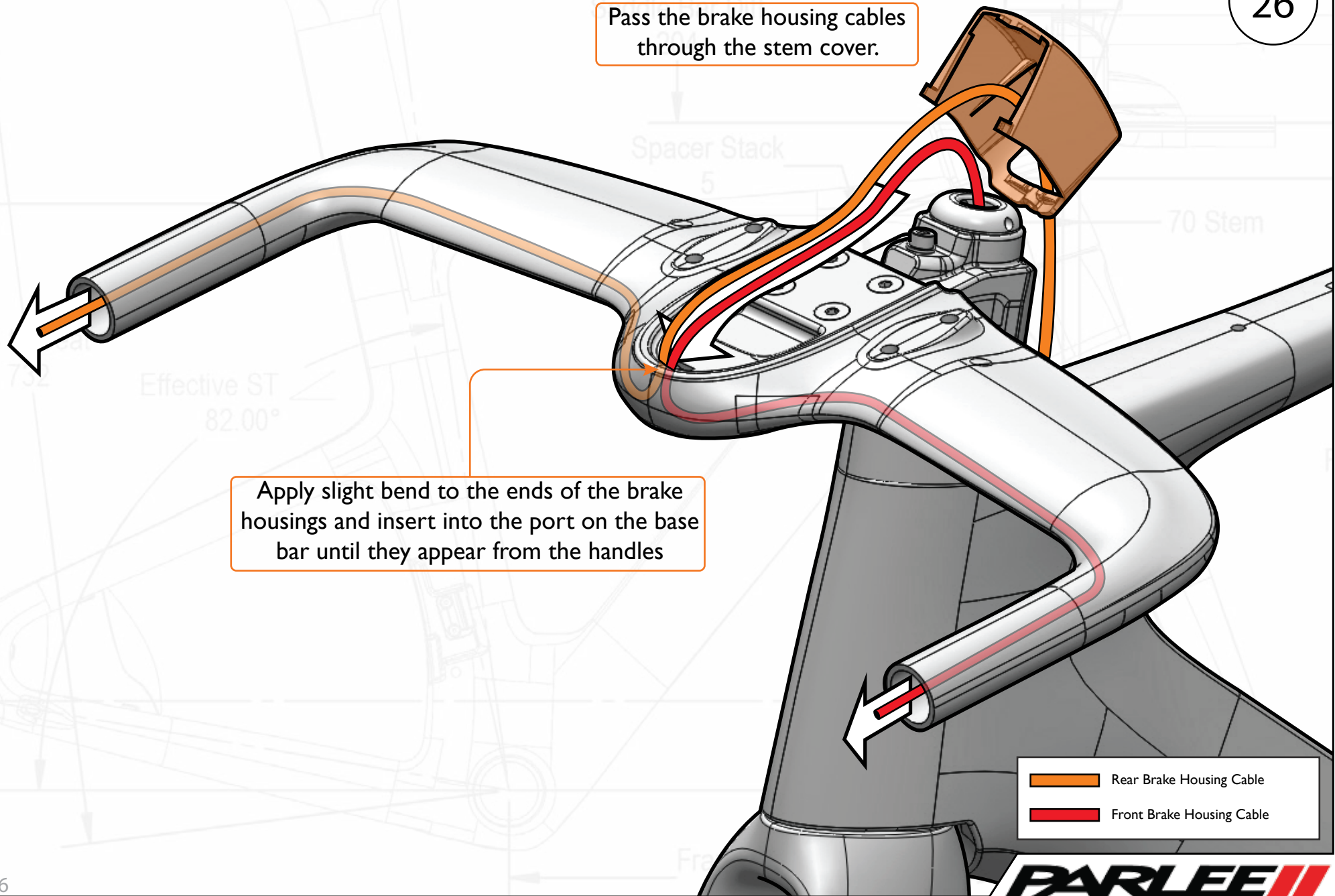


105mm



(A long and short stem cover are provided. The short cover is for an 80mm stem length and the long cover is for a 105mm stem length as determined in step 28.)

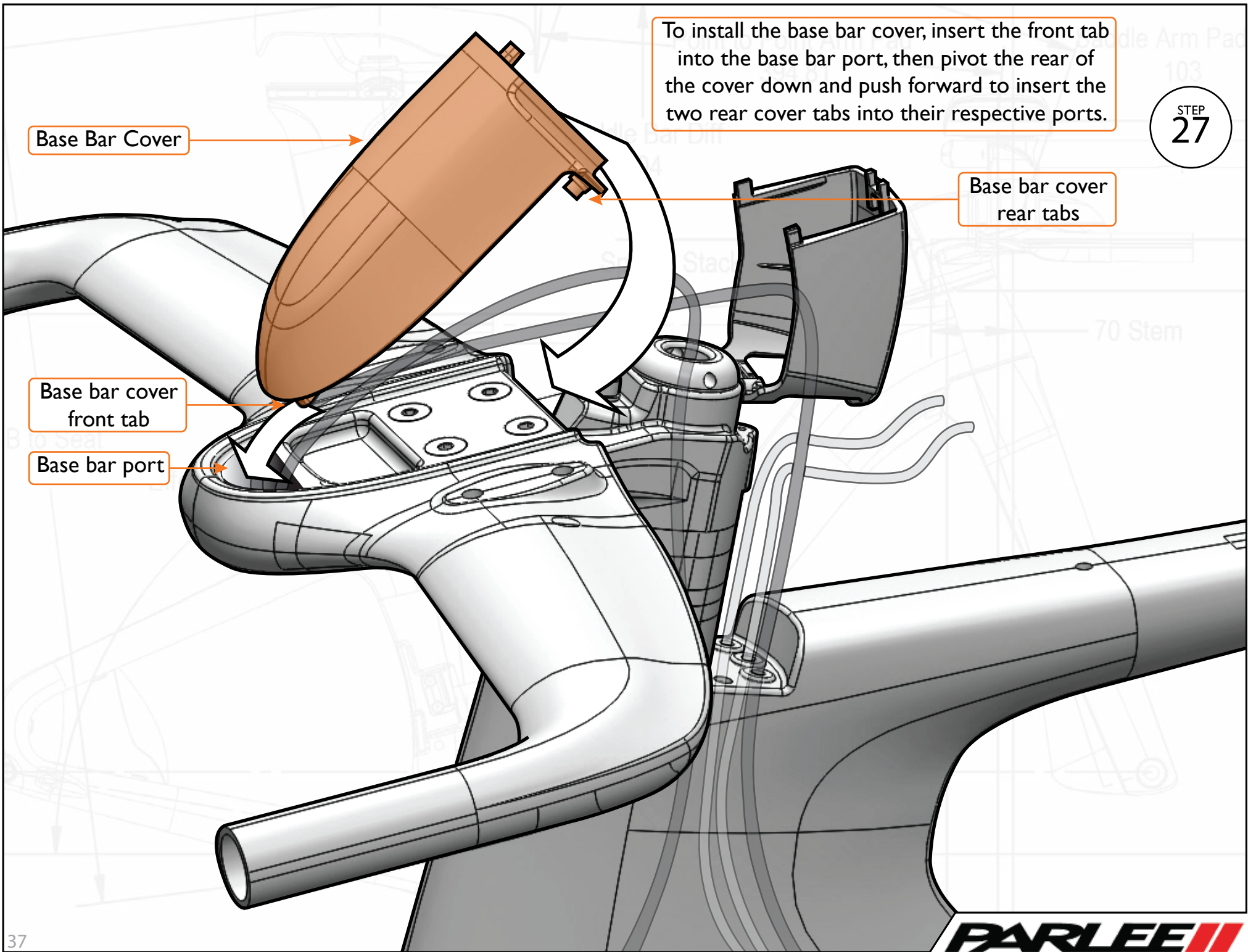
Pass the brake housing cables through the stem cover.

STEP
26



Apply slight bend to the ends of the brake housings and insert into the port on the base bar until they appear from the handles

-  Rear Brake Housing Cable
-  Front Brake Housing Cable



Base Bar Cover

Base bar cover front tab

Base bar port

To install the base bar cover, insert the front tab into the base bar port, then pivot the rear of the cover down and push forward to insert the two rear cover tabs into their respective ports.

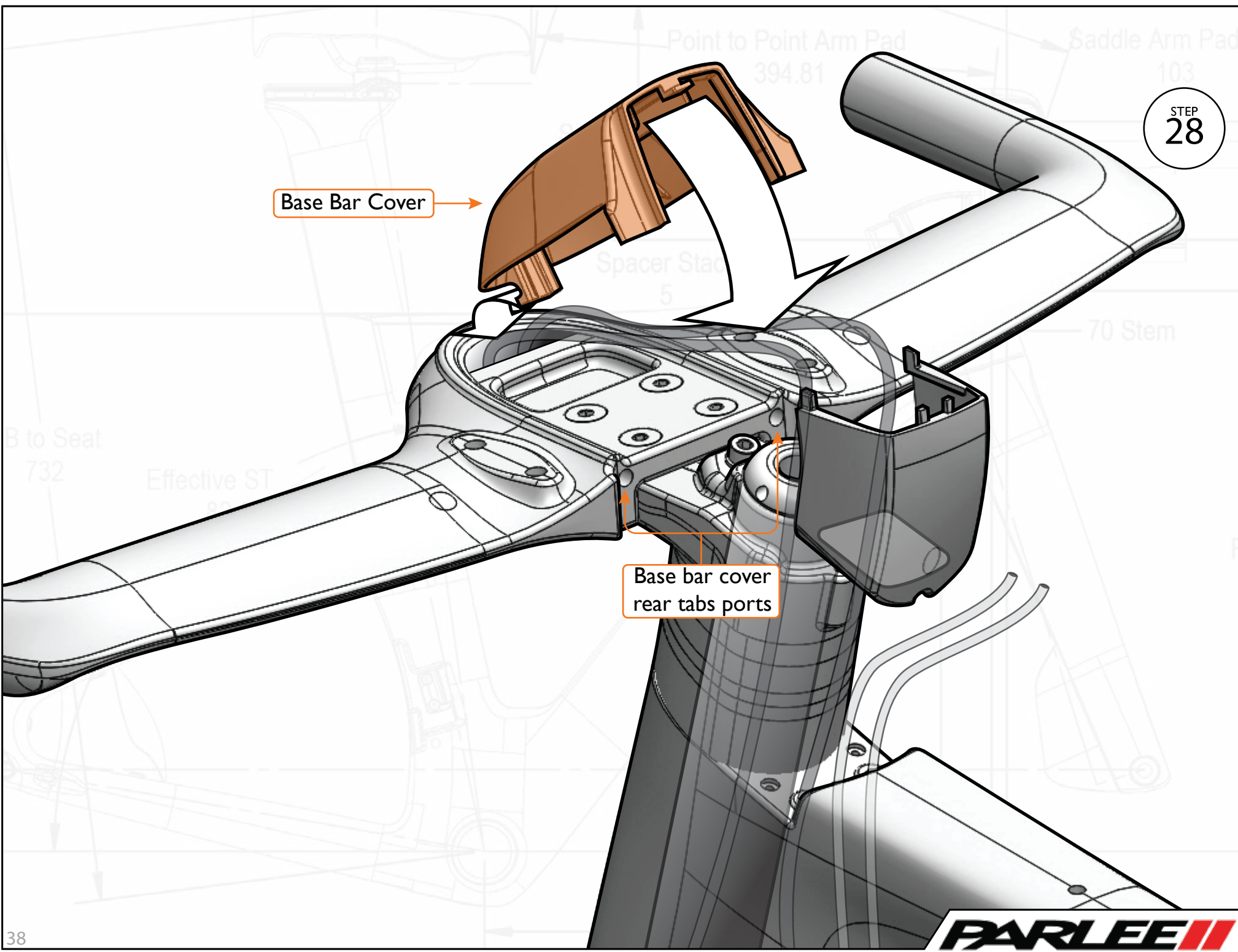
Base bar cover rear tabs

STEP
27

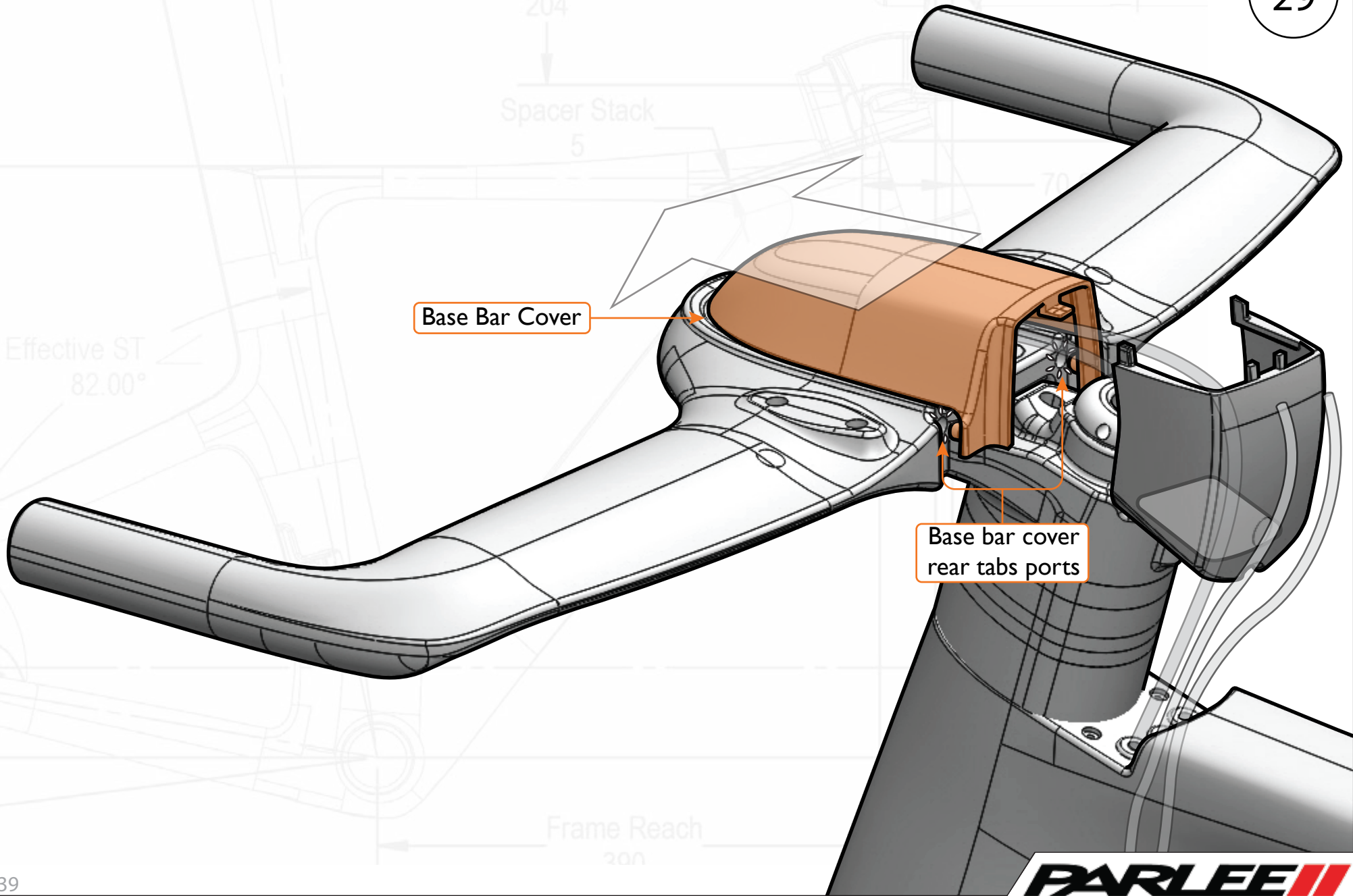
STEP
28

Base Bar Cover

Base bar cover
rear tabs ports



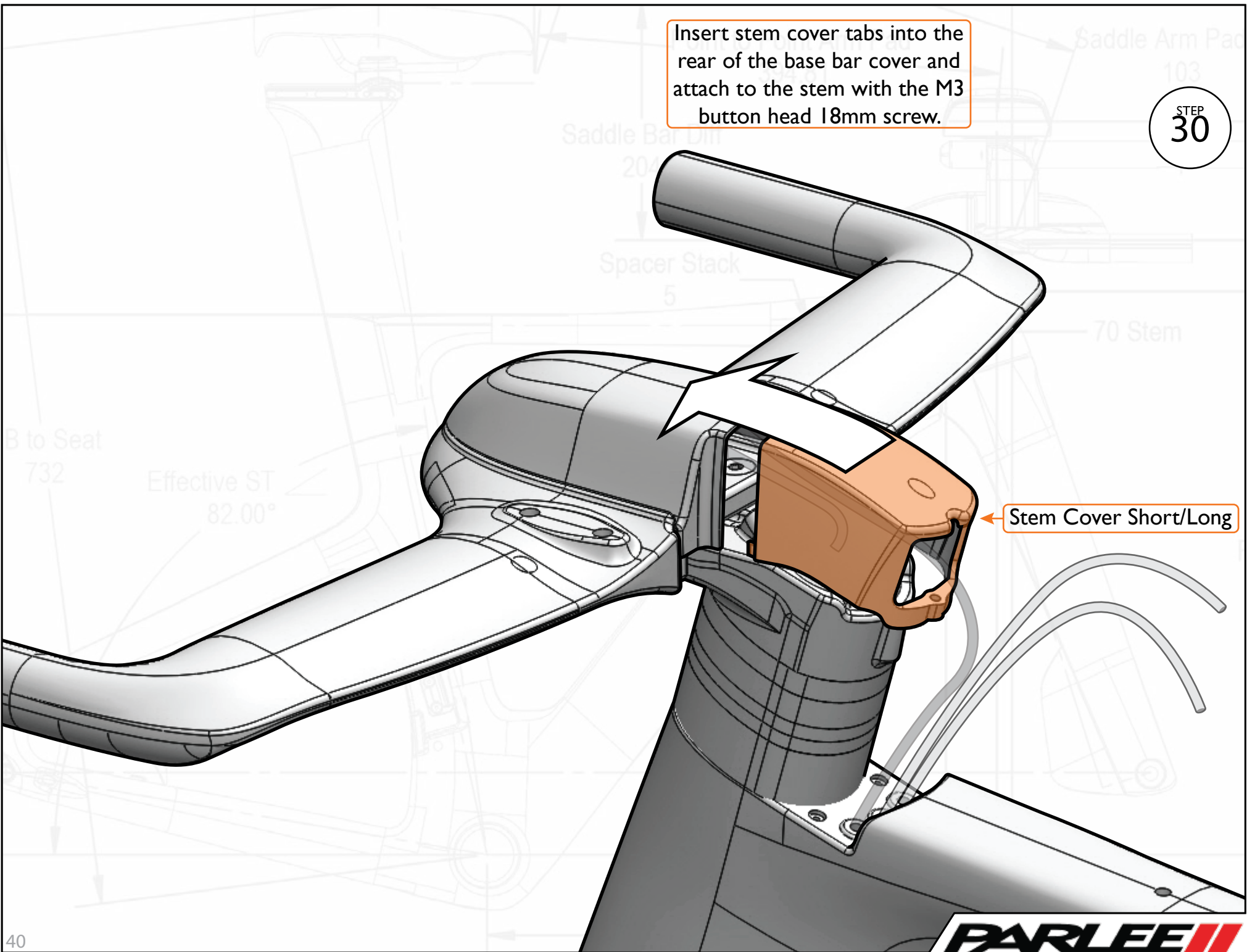
STEP
29



Insert stem cover tabs into the rear of the base bar cover and attach to the stem with the M3 button head 18mm screw.

STEP
30

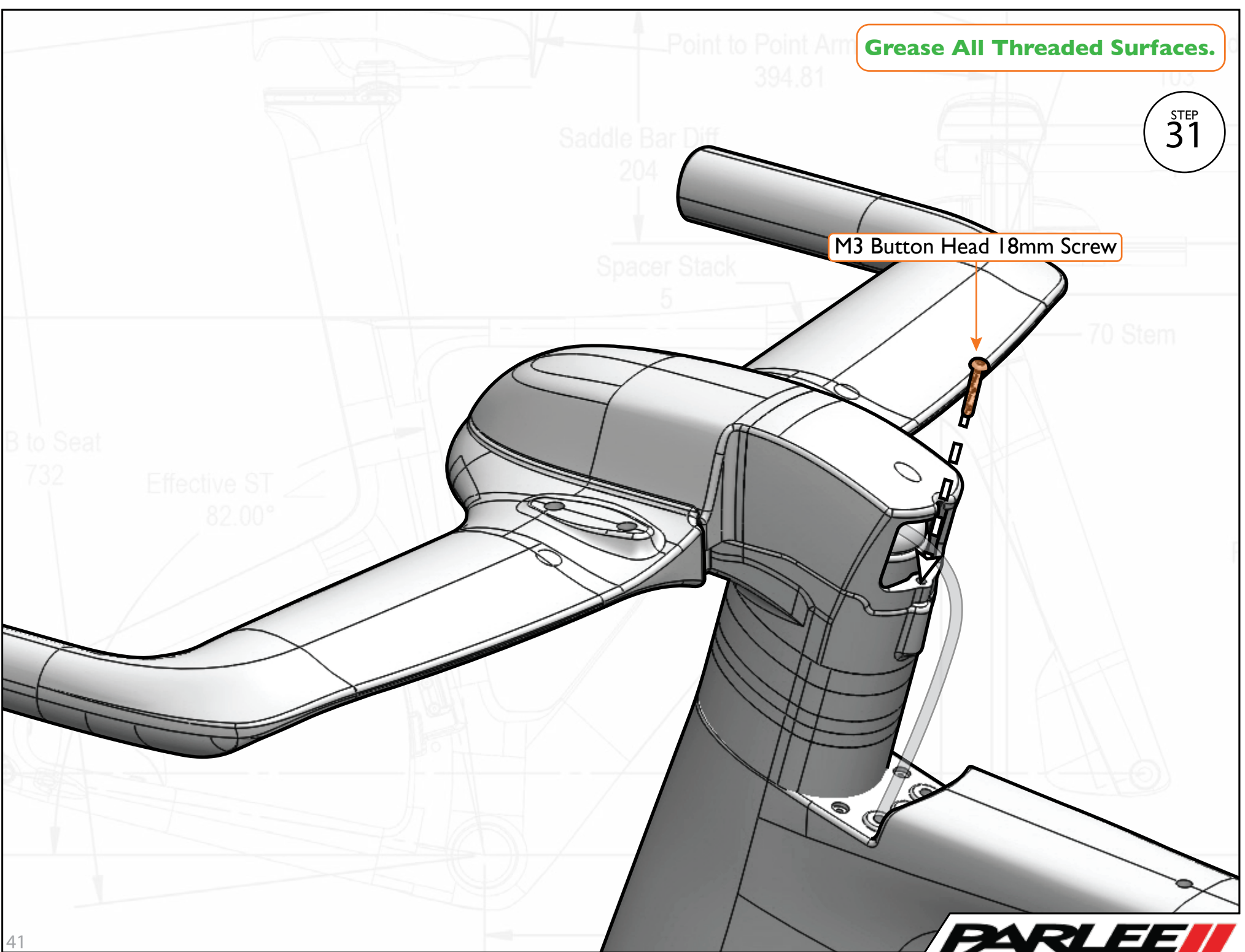
Stem Cover Short/Long



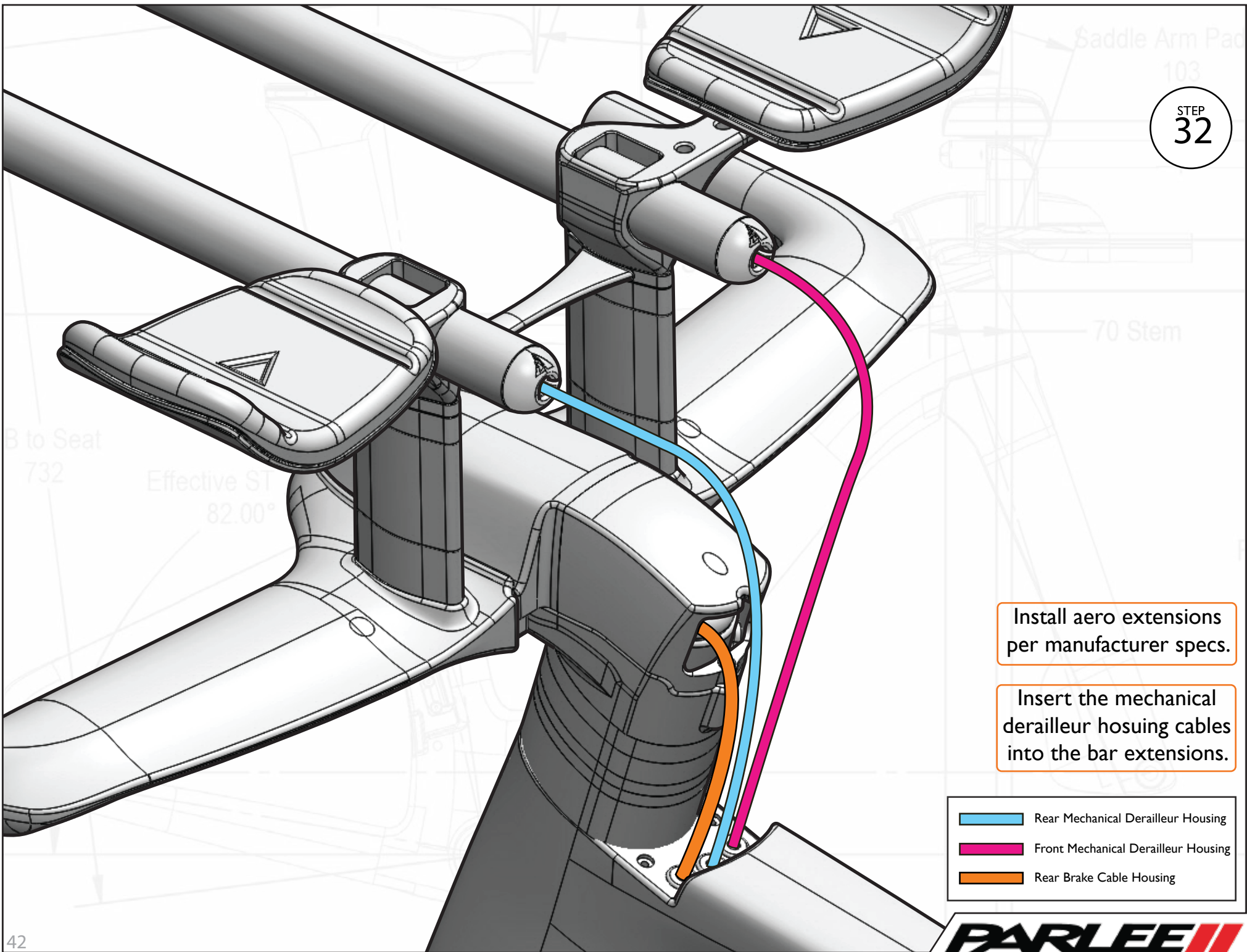
Grease All Threaded Surfaces.

STEP
31

M3 Button Head 18mm Screw






STEP
32



Install aero extensions per manufacturer specs.

Insert the mechanical derailleur housing cables into the bar extensions.

-  Rear Mechanical Derailleur Housing
-  Front Mechanical Derailleur Housing
-  Rear Brake Cable Housing

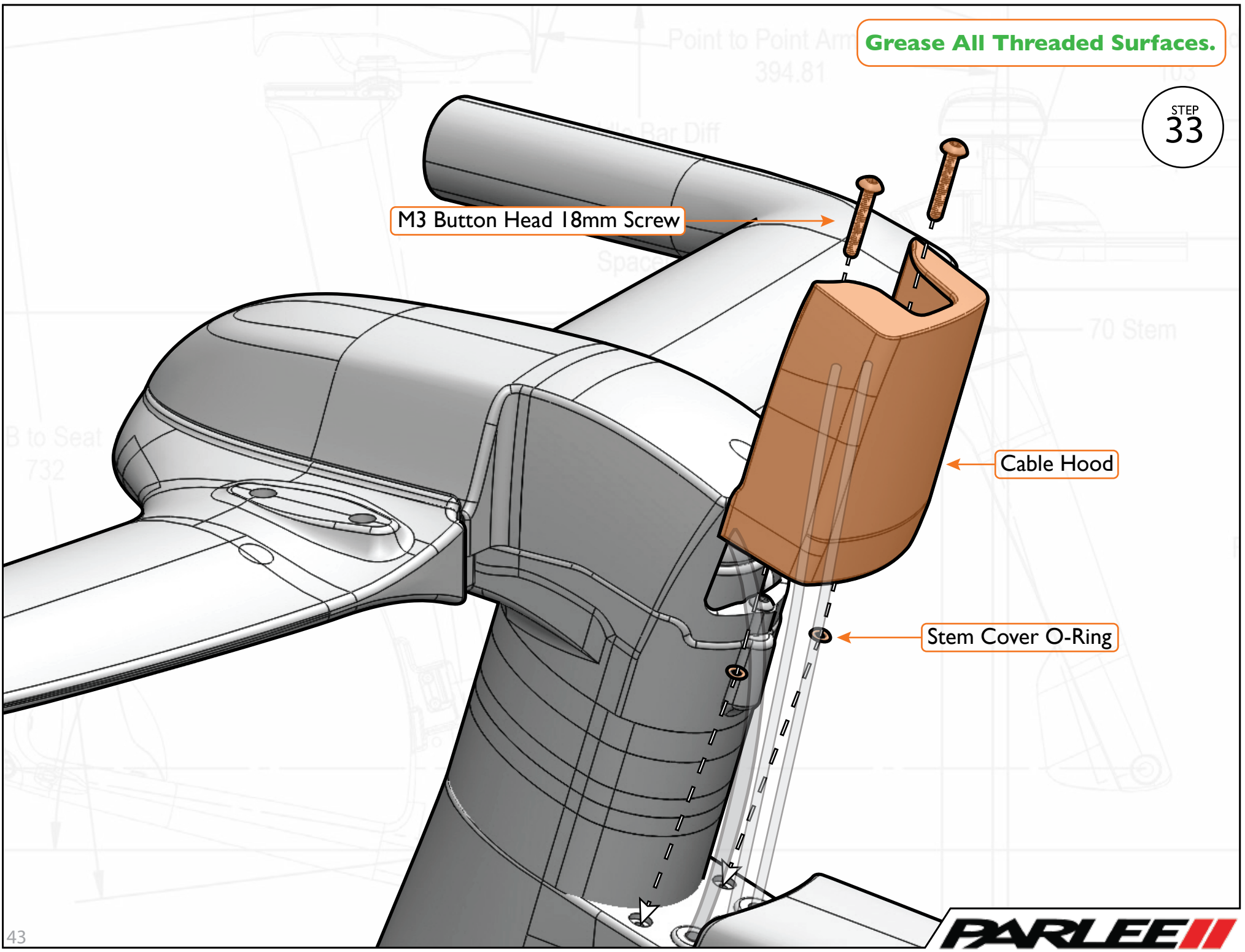
Grease All Threaded Surfaces.

STEP
33

M3 Button Head 18mm Screw

Cable Hood

Stem Cover O-Ring

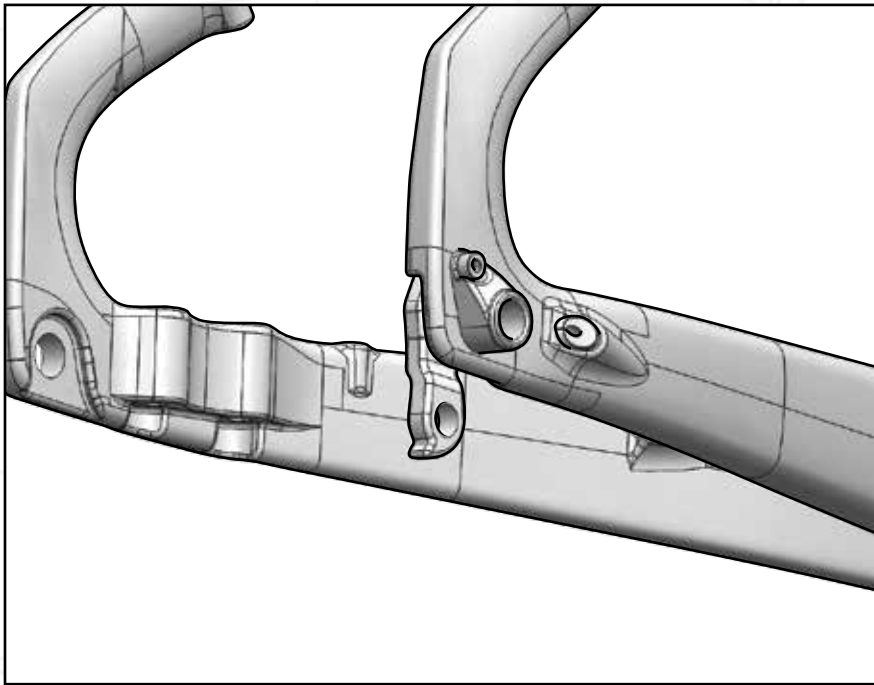


STEP
34

Base Bar Cover

Stem Cover

Cable Hood

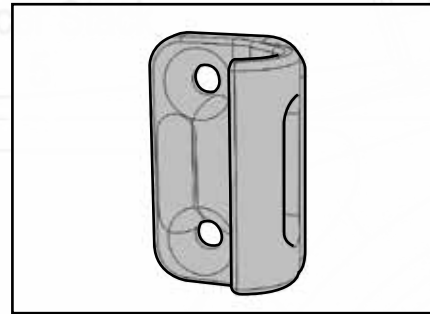


Frame Set Assembly Part 2



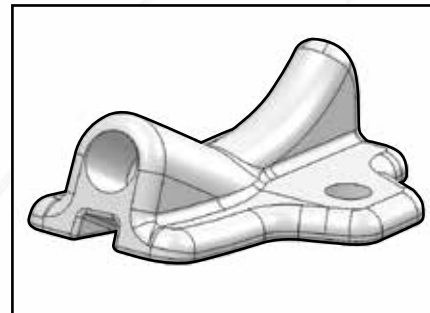
Rear Derailleur Hanger

x1



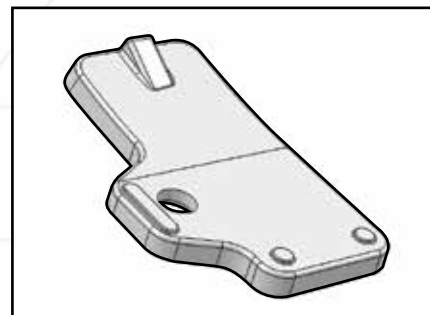
Front Derailleur Mount

x1



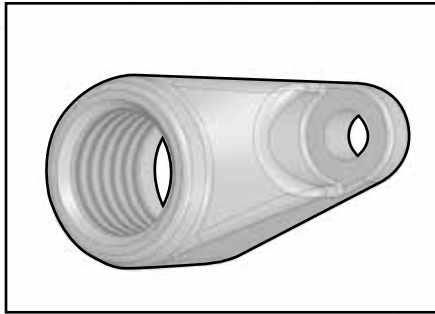
Cable Guide

x1



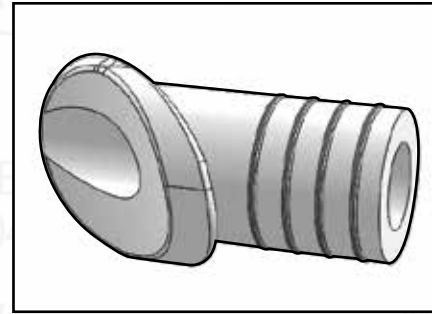
Cable Guide Cover

x1



Through Axle Nut

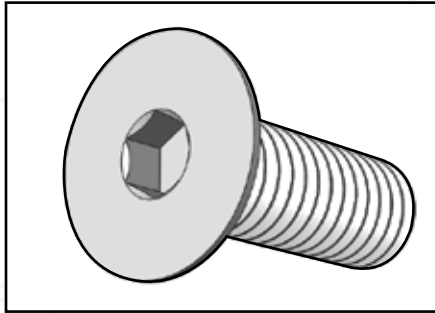
x1



Rear Mechanical Brake
AR Grommet

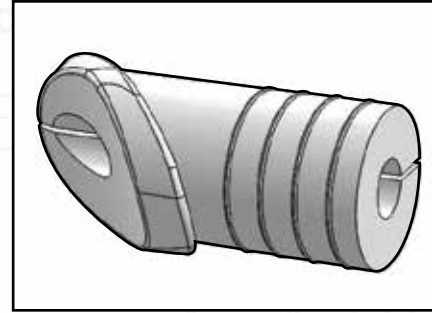
x1

Used if using mechanical.



M4 Flat Head 17mm
Screw

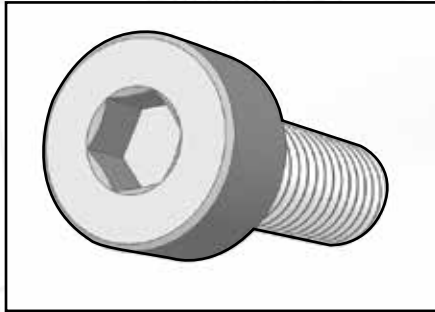
x3 - (x2 Red Loctite)
(x1 Greased)



Rear Electronic Brake AR
Grommet

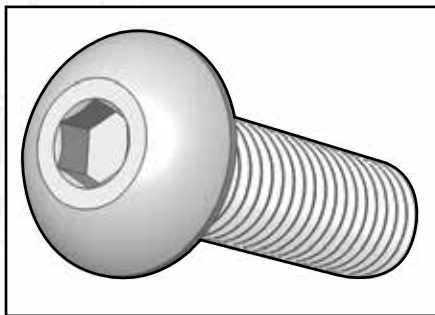
x1

Used if using electronic.



M4 Socket Head 12mm
Screw

x1 - Greased



M5 Button Head 18mm
Screw

x7 - Greased

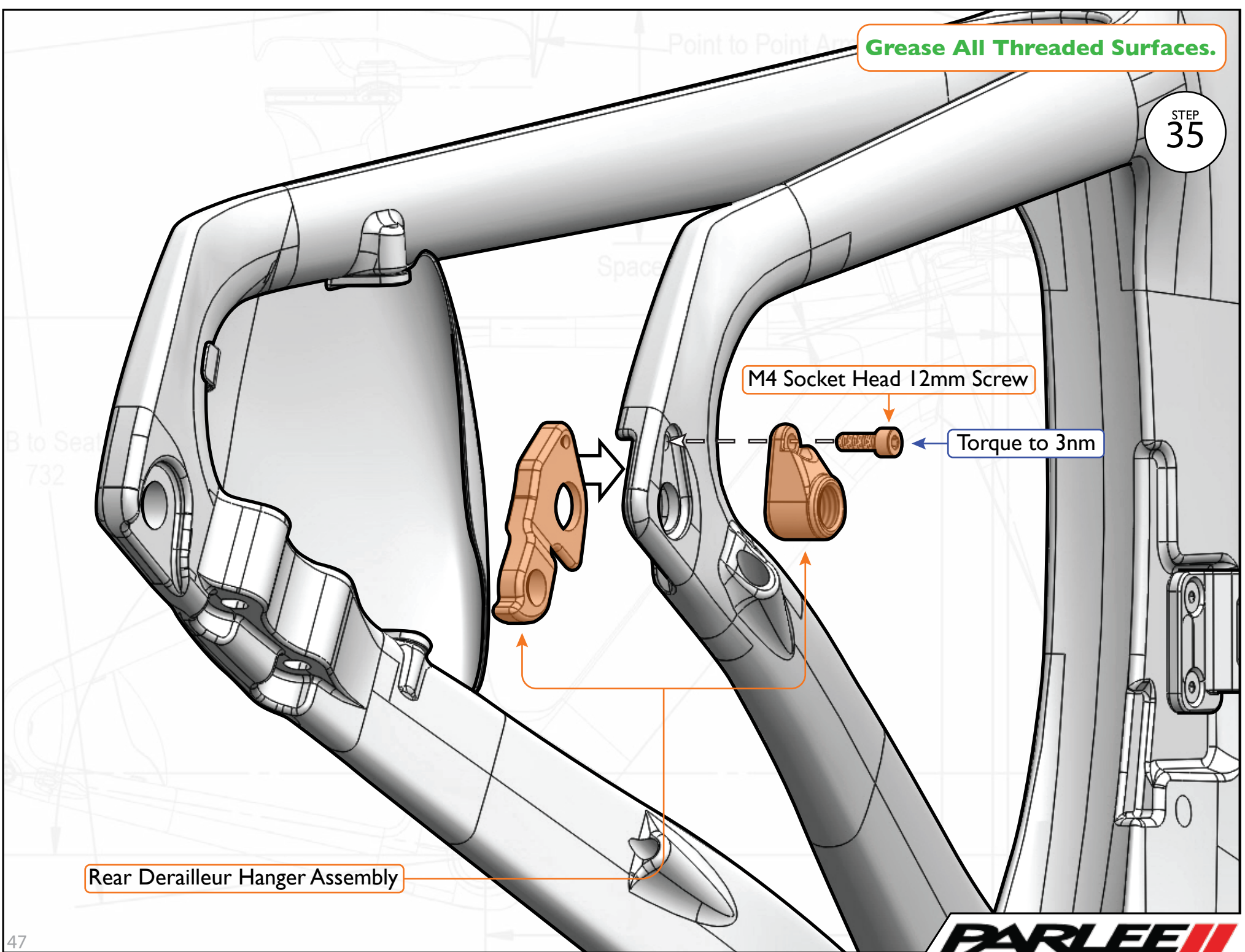
Grease All Threaded Surfaces.

STEP
35

M4 Socket Head 12mm Screw

Torque to 3nm


Rear Derailleur Hanger Assembly



STEP
38

AR Grommet

Sleeve the AR grommet over the mechanical brake housing cable and insert it into the chainstay port.

 Rear Mechanical Derailleur Housing

Blue Loctite All Threaded Surfaces.

STEP
39

Front Derailleur Mount

M4 Flat Head 17mm Screw

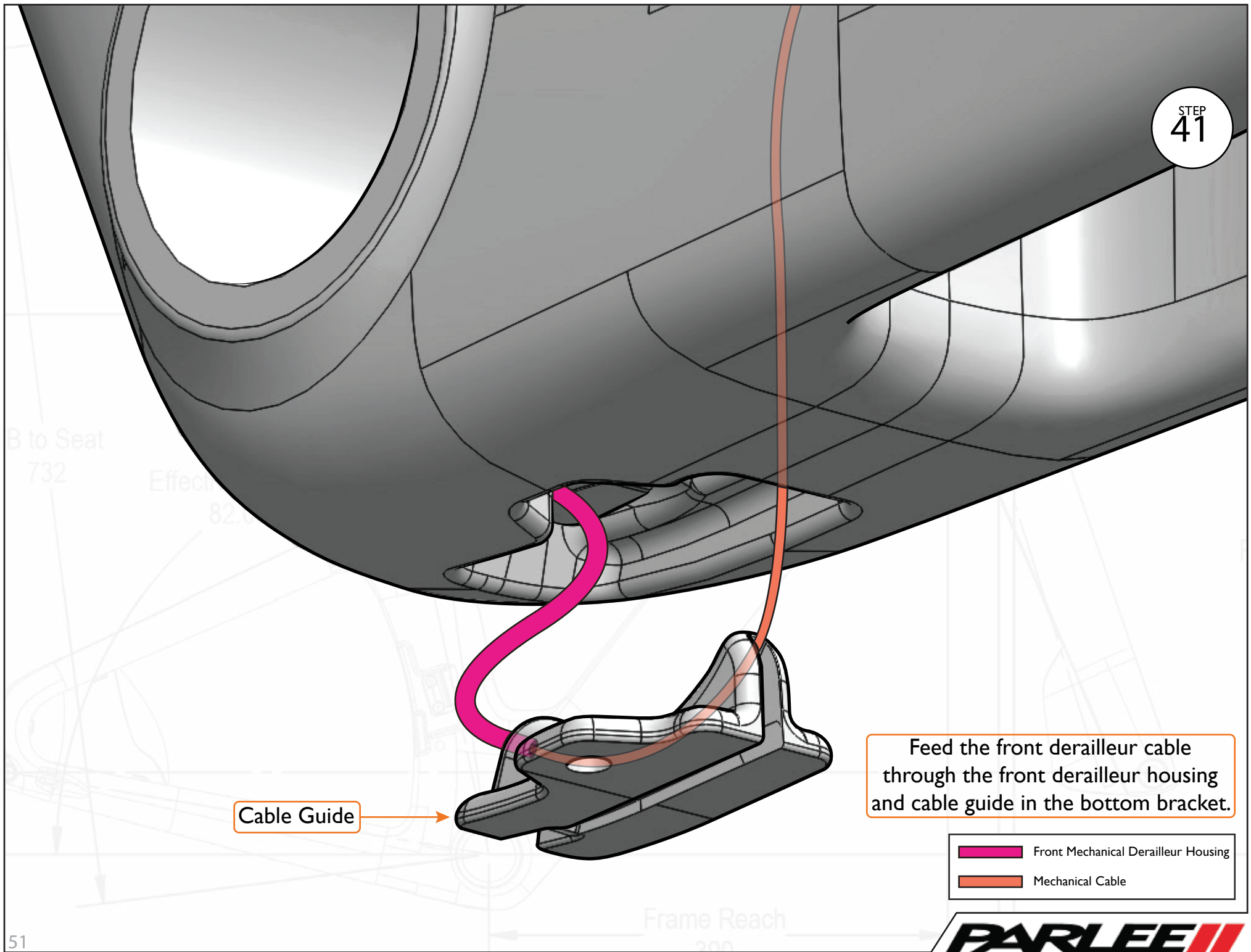
Torque to 3nm

STEP
40

Cable Guide

Feed the front derailleur housing cable in the cable guide port.

- Rear Mechanical Derailleur Housing
- Front Mechanical Derailleur Housing
- Rear Brake Cable Housing

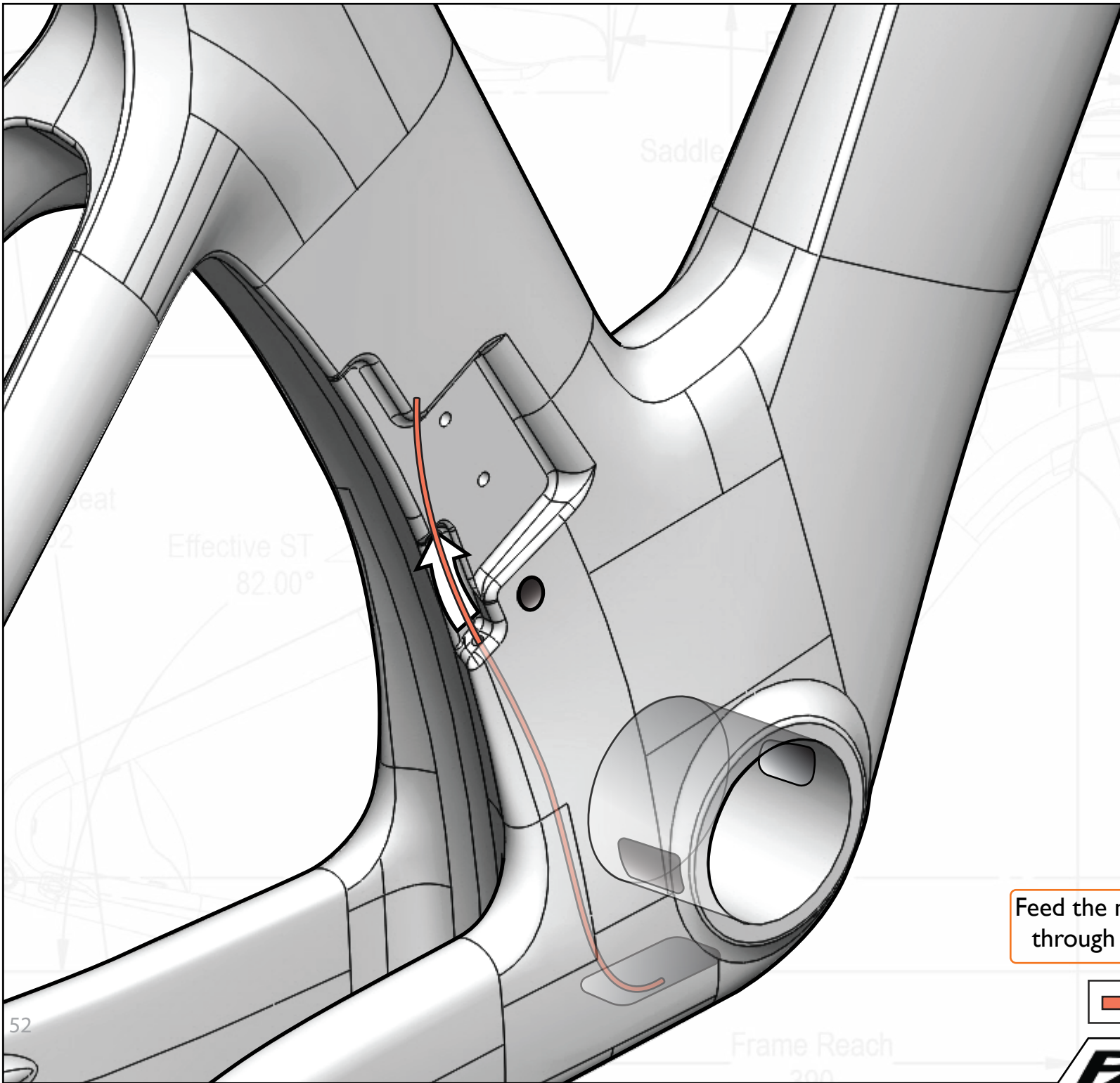


Cable Guide →

Feed the front derailleur cable through the front derailleur housing and cable guide in the bottom bracket.

- Front Mechanical Derailleur Housing
- Mechanical Cable

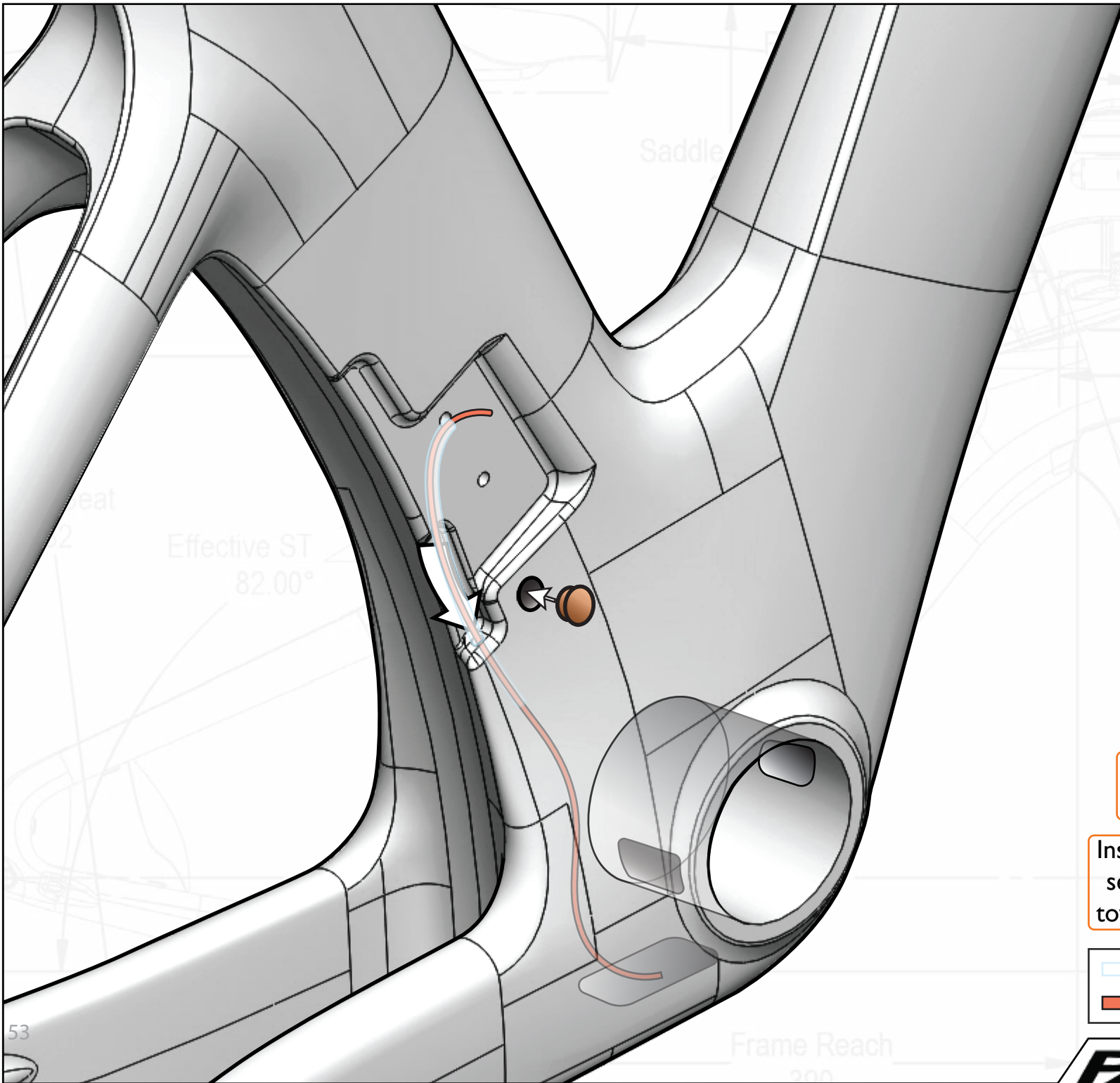
STEP
42



Feed the mechanical derailleur cable through the front derailleur port.

 Mechanical Cable

STEP
43



Insert blind grommet into front derailleur port.

Insert teflon tubing into the seatpost port and guide it toward the bottom bracket.

Teflon Tubing
Mechanical Cable

Grease All Threaded Surfaces.

STEP
44

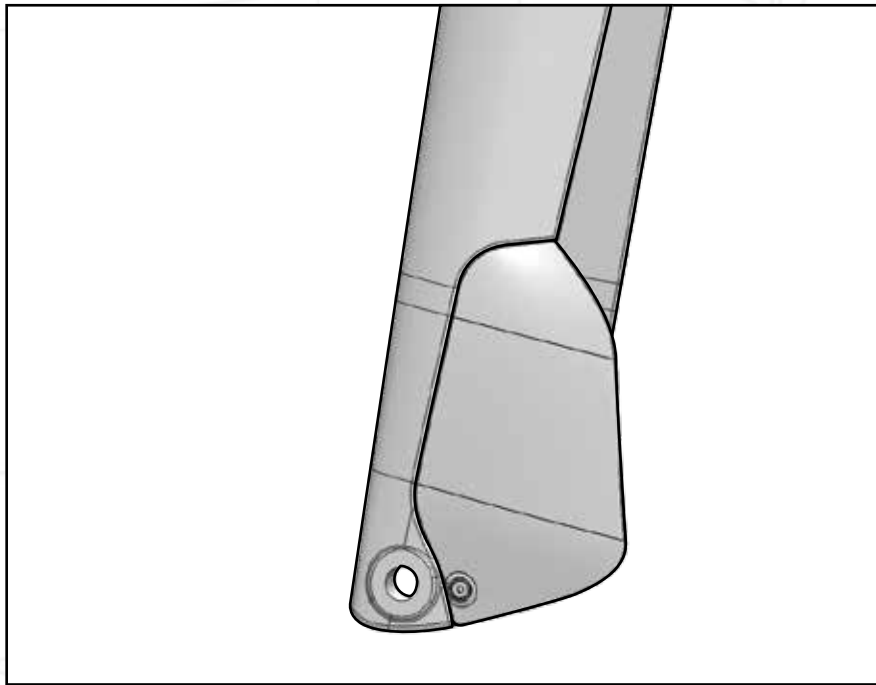
Cable Guide

Cable Guide Cover

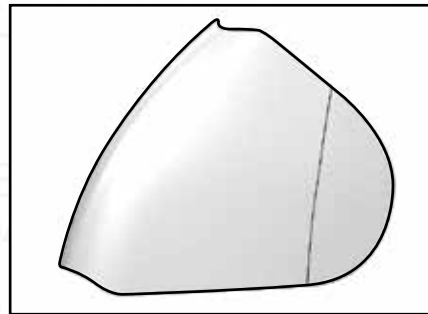
Torque to 3nm

M4 Flat Head 17mm Screw



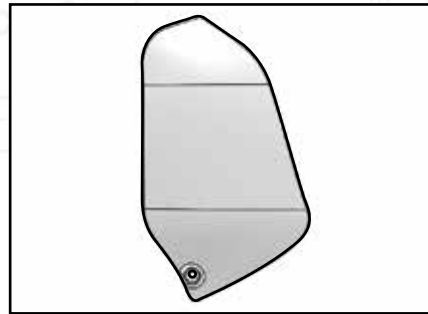


SpeedShield™ Assembly



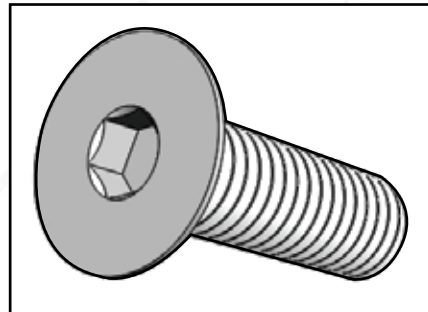
Rear SpeedShield™

x1



Front SpeedShield™

x1

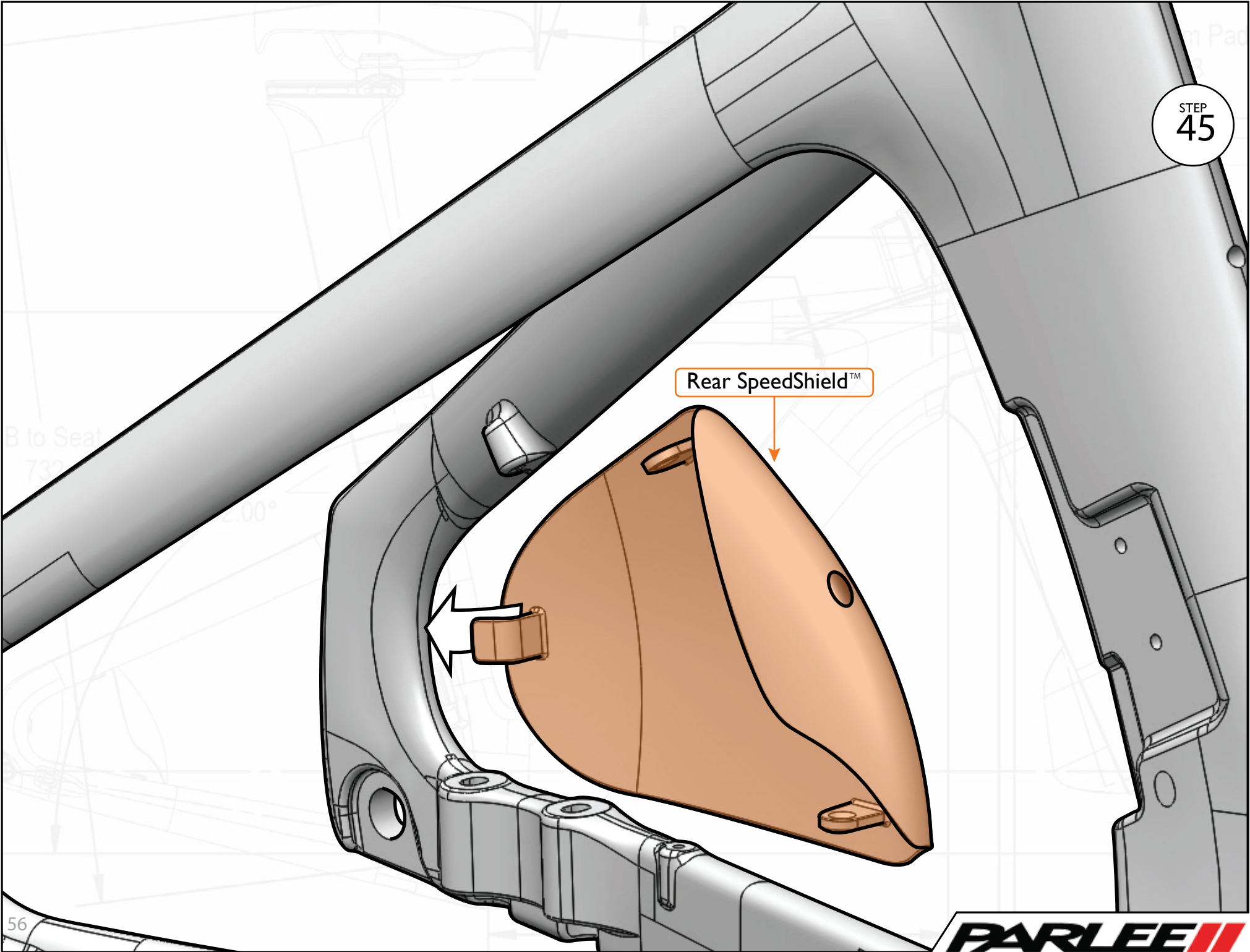


M3 Flat Head 10mm
Screw

x4 - Greased

STEP
45

Rear SpeedShield™

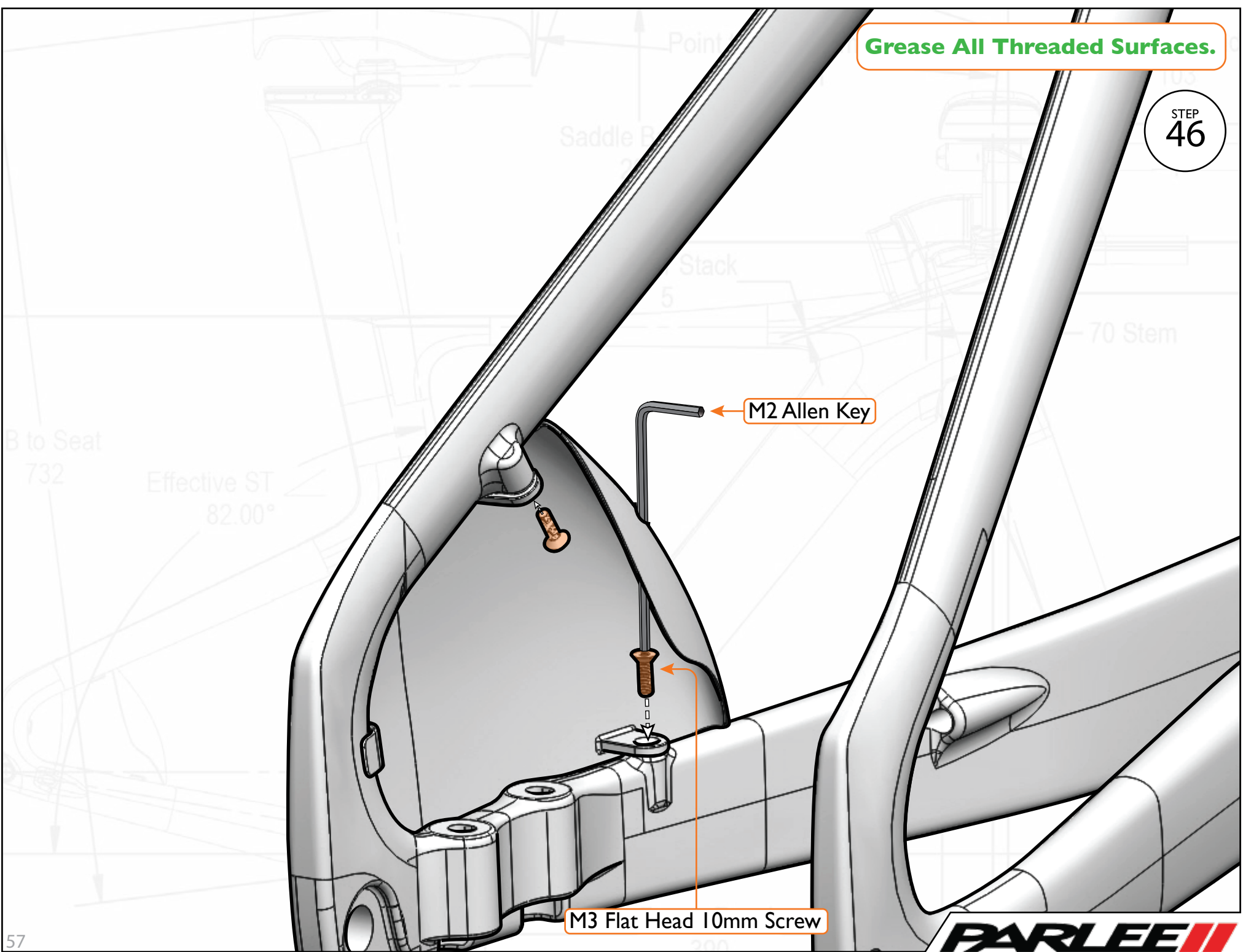


Grease All Threaded Surfaces.

STEP
46

M2 Allen Key

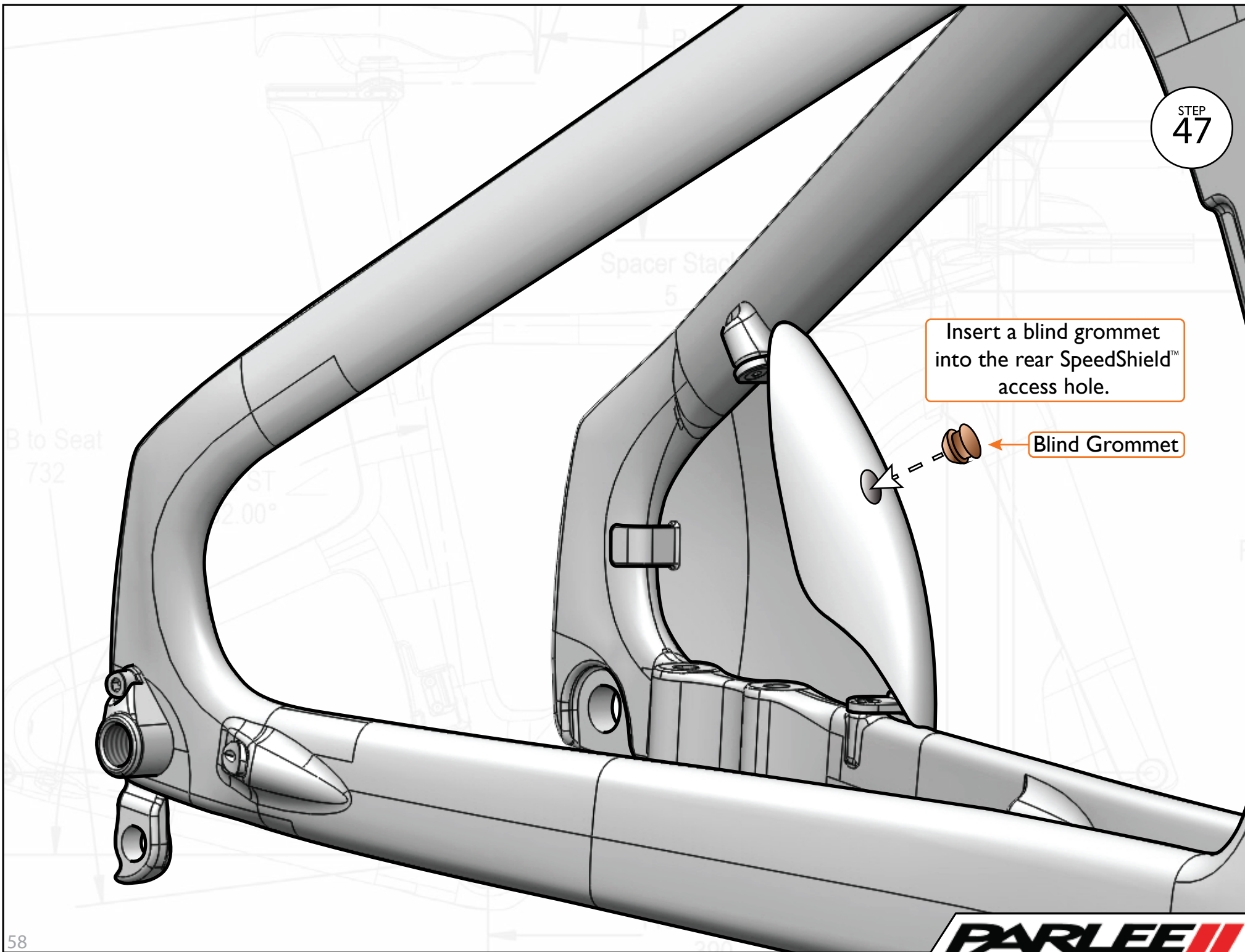
M3 Flat Head 10mm Screw



STEP
47

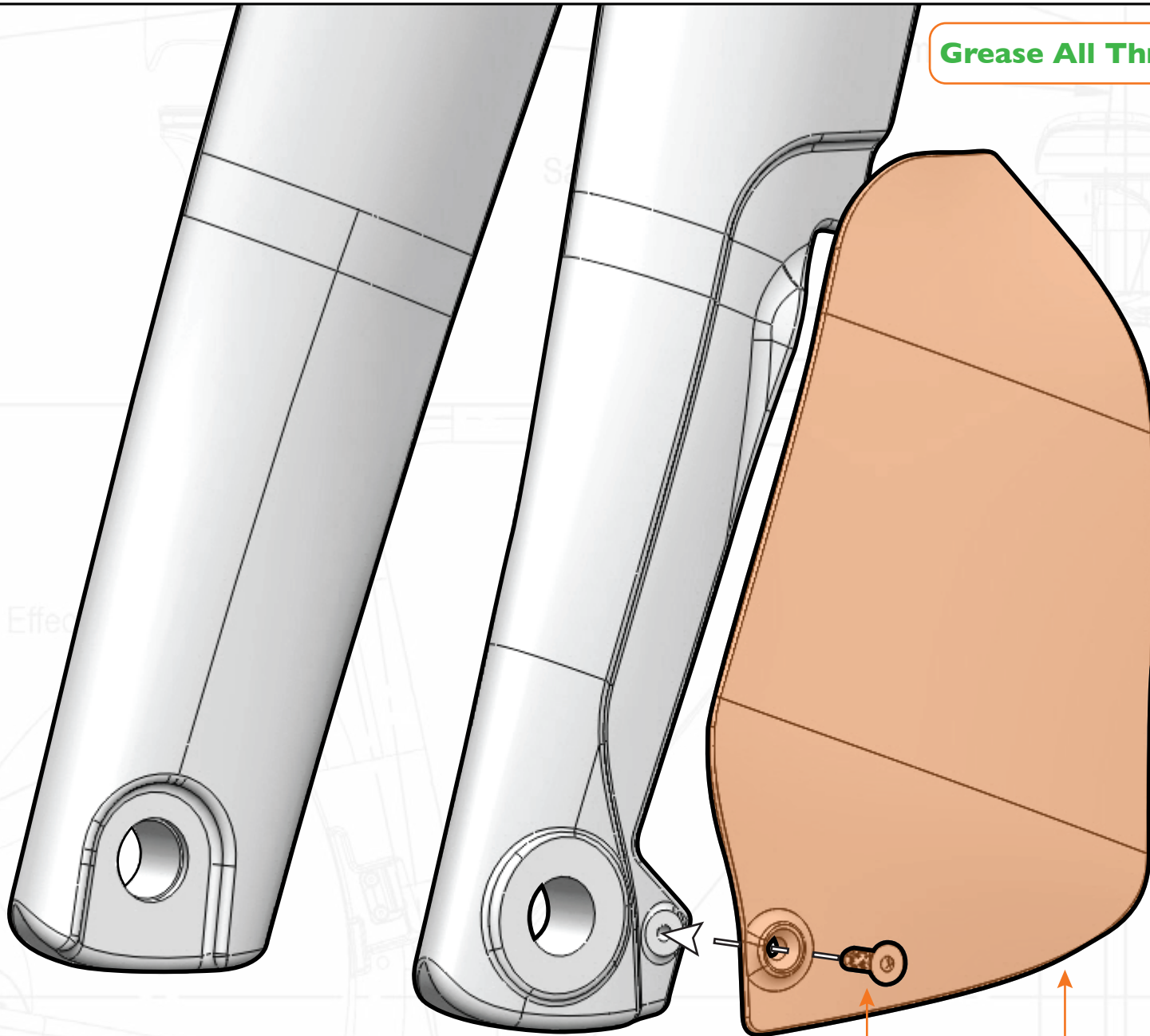
Insert a blind grommet into the rear SpeedShield™ access hole.

Blind Grommet



Grease All Threaded Surfaces.

STEP
48



M3 Flat Head 10mm Screw

Front SpeedShield™

Grease All Threaded Surfaces.

STEP
49

Front Brake Fairing

M3 Flat Head 10mm Screw

